Feb. 17, 1978 - Approval given to Cardinal Corp to re-enter this old well.

9-5-78 - Completed as shut-in gas well

FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	PLL
Entered On S R Sheet		Copy N I D to Field Office	✓
Location Map Pinned	✓	Approval Letter	✓
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed 4-12-62 Location Inspected

OW WW TA ✓ Bond released

GW OS PA ✓ 6-5-63 State of Fee Land

LOGS FILED

Driller's Log 5-18-62

Electric Logs (No. 2) ✓

E I E-I GR GR-N Micro

Lat Mi-L Sonic Others Radioactivity Log, Guard Log, Sub-Surface Directional Survey

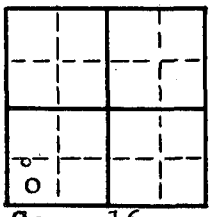
Form OGCC-1 (SUBMIT IN DUPLICATE) LAND:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
SALT LAKE CITY, UTAH

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.



Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill	X	Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 1, 19 61

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16	30S	25E	S.L.P.M.
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)

Wildcat	San Juan County	Utah
(Field)	(County or Subdivision)	(State or Territory)

The elevation of the ~~derrick floor~~ Ground (Ungraded and estimated) above sea level is 6840 feet.

A drilling and plugging bond has been filed with ~~U.S. Government~~ State Land Board R Ltr

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Proposed Casing Program:

75' - 16" OD Conductor casing (Cemented to surface)
1,000' - 10-3/4" OD Surface casing (Cemented to surface)
10,000' - 5-1/2" OD Production String (Cemented with sufficient cement to meet conditions encountered)

Principal objective: Mississippian

Estimated Total Depth: 10,000'

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265
Moab, Utah

By Robert H. Massey
Robert H. Massey
Title Area Land Agent.

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

FORM 301.8 P100 5M 4-12-55

THE PURE OIL COMPANY

LOCATION REPORT

Date November 1, 1961

A.F.E. No. 4522

Division Northern Producing

Prospect Spiller Canyon

District Four Corners Area

Lease Spiller Canyon State of Utah (M.L. 3536)

Acres 640 Lease No. 8645 Elevation Well No. State 1 (Serial No.)

Quadrangle SW SW Sec. 16 Twp. 30 S Rge. 25 E Blk. Dist. Twp.

Survey S.L.P.M. County San Juan State Utah

Operator The Pure Oil Company Map Utah 1-4

500 Feet East of the West line of Section

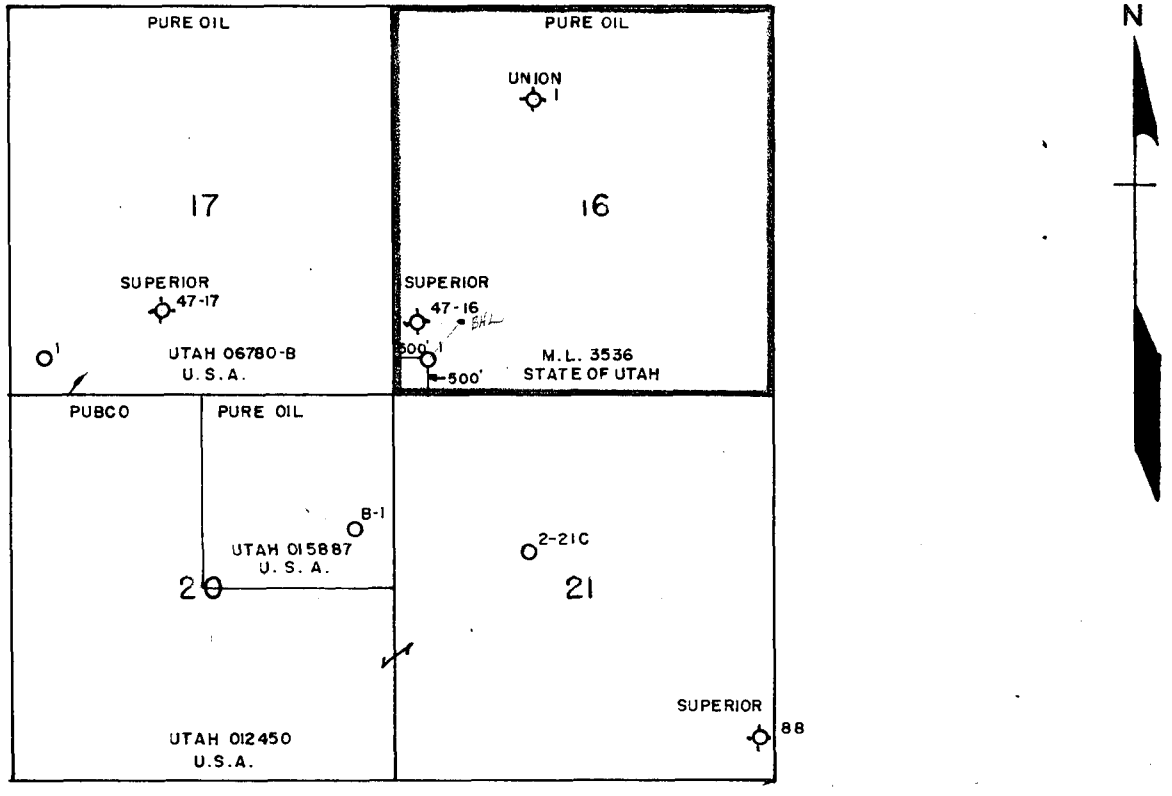
500 Feet North of the South line of Section

Feet of the line of

Feet of the line of

LEGEND

- Location
- Gas Well
- Oil Well
- Gas—Distillate Well
- Dry Hole or
- Abandoned Location
- Abandoned Gas Well or
- Abandoned Oil Well or
- Input Well or



Scale 2" = 1 MILE

Remarks: The Superior 47-16 and 47-17 and Union 1 holes above indicated as dry holes represent potassium exploration holes.

Submitted by [signature] Civil Engineer

Approved by Division Manager

Approved by Vice-President—General Manager

November 30, 1961

The Pure Oil Company
P. O. Box 265
Moab, Utah

Attn: Robert H. Massey, Area Land Agent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Spiller Canyon State #1, which is to be located 500 feet from the south line and 500 feet from the west line of Section 16, Township 30 South, Range 25 East, SLBM, San Juan County, Utah.

Please be advised that approval to drill said well is hereby granted in accordance with the Order issued in Cause No. 71 in a Hearing held on November 29, 1961.

This approval terminates within 90 days if the above mentioned well has not been spudded in within said period.

Please take note that should it be necessary to plug and abandon said well you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

C. B. FEIGHT, Executive Director
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: HU 5-2721

ROBERT L. SCHMIDT, Chief Petroleum Engineer
Office Phone: DA 8-5771 or DA 8-5772
Home Phone: AM 6-8616

All other forms of communication should be addressed to the Utah State Oil and Gas Conservation Commission, 310 Newhouse Building, Salt Lake City, Utah.

Please have the enclosed "Minimum Safety Requirements" notice posted in a conspicuous place on the drilling location.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT,
EXECUTIVE DIRECTOR

CBF:awg
cc: Utah State Land Board
Salt Lake City, Utah

H. L. Coonts - OGCC, Moab

Enclosure

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for

December, 1961.

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed J B Strong

Phone ALpine 3-3581 Agent's title District Chief Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16 Spiller	30S Canyon	25E State	1 No. 1	Drlg.	-0-	-0-	-0-	Location: 500' FSL and 500' FWL. L & S elevations: GR 6847', KB 6863. Set 20" OD conductor at 15' ground level measurement and cemented with 9 yards of ready mix cement on 12-28-61. Spudded at 5:30 p.m. 12-30-61. Now drilling at 400'.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC-4

RLS

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for

January, 1962

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed J. B. Strong

Phone ALpine 3-3581 Agent's title District Chief Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16 Spiller Canyon State No. 1	30S	25E	1	Drlg.	-0-	-0-	-0-	Drilled from 400' to 1744'. Reamed 8-3/4" hole to 13-3/4" to 1000'. Set 31 jts. of 10-3/4" 32.75# H-40 casing at 1000' KB. Cemented with 350 sax 50-50 Pozmix with 4% gel and 1/4# Flocele and 1# Tufplug added per sack and 2% calcium chloride. Tailed in with 125 sax regular cement with 2% CaCl. Ran 1" pipe down back side of casing. Tagged cement at 45'. Cemented thru 1" pipe with 75 sax regular cement with 3% CaCl with 1# Tufplug and 1/4# Flocele per sack. Drilled from 1744' to 4128'. Lost circulation at 2640', 2654' and 4128'. Mixed mud and regained circulation. On January 19, 1962, well made small gas kick at 4697' and 4718'. Turned mud black and had hydrogen sulfide odor, but gas would not burn. Increased mud weight to 10.3# and drilled to 4830'. Well started blowing mud out of hole. Closed hydril and pressure on drill pipe was 350#. Opened to pit and flowed dry gas. Commenced flowing at rate estimated to be 1000 MCF and decreased to 500 MCF in one hour. Drill pipe stuck at 4824'. Pumped 20 bbls. of fresh water ahead of 500 bbls. of 11.6# mud with 25% lost circulation material. Drilled to 4905' and well began unloading gas cut mud. Mixed mud to 16.6#. Started reaming 8-3/4" hole to 9-7/8" in order to set 7-5/8" casing. Reamed to 1674' and while pulling up to make connection, pipe stuck 31' off bottom. Bit at 1643'. Pumped 200 sax of regular cement with 2% calcium chloride through drill pipe in an effort to plug off lost circulation zone and form cement plug below bit. Backed off drill pipe at 1512', leaving fish from 1512' to 1643'. Began washing over fish on January 31, 1962.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

DIRECTIONAL DRILLING
EASTMAN
INSTRUMENTATION

"Symbol of Service"

REPORT
of
SUB-SURFACE
DIRECTIONAL
SURVEY

PURE OIL COMPANY
COMPANY

SPILLER CANYON STATE NO. 1
WELL NAME

SAN JUAN COUNTY, UTAH
LOCATION

JOB NUMBER	TYPE OF SURVEY	DATE
RS-1362	MULTIPLE SHOT & SINGLE SHOT	Jan. 7, 1962

SURVEY BY

OFFICE

FORM D-302 R1

RECORD OF SURVEY

CHECKED BY_____ JOB NO. RS-1362 DATE January 7, 1962

[redacted]	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST
				MULTIPLE SHOT SURVEY THROUGH 1487'					
1	75 99	00° 00'			Vertical				
2	173 44	00° 20'		57	N 56° E	32		47	
3	259 99	00° 45'		1 13	N 56° E	95		1 41	
4	349 02	00° 50'		1 29	N 55° E	1 69		2 47	
5	436 02	01° 00'	435 98	1 52	N 55° E	2 56		3 72	
6	523 87	01° 25'		2 17	N 46° E	4 07		5 28	
7	611 57	01° 30'		2 30	N 46° E	5 67		6 93	
8	700 55	01° 35'		2 46	N 51° E	7 22		8 84	
9	795 43	02° 00'		3 31	N 52° E	9 26		11 45	
10	889 83	02° 15'	889 55	3 71	N 48° E	11 74		14 21	
11	984 37	01° 55'		3 16	N 47° E	13 90		16 52	
[redacted]	1078 95	02° 20'		3 85	N 45° E	16 62		19 24	
13	1173 20	02° 45'		4 52	N 49° E	19 59		22 65	
14	1267 90	02° 50'		4 68	N 57° E	22 14		26 58	
15	1362 40	03° 10'	1361 60	5 22	N 55° E	25 13		30 86	
16	1455 50	03° 30'		5 68	N 51° E	28 70		35 27	
17	1487 00	03° 50'		2 11	N 50° E	30 06		36 89	
18	1715 00	04° 30'		17 90	N 50° E	41 57		50 60	
19	1801 00	04° 30'		6 75	N 47° E	46 17		55 54	
20	1854 00	04° 30'	1851 81	4 16	N 45° E	49 11		58 48	

FORM NO. C—303P

RECORD OF SURVEY

CHECKED BY_____ JOB NO. RS-1362 DATE January 7, 1962 PAGE 2

[redacted]TION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST
21	1950 00	05° 00'		8 37	N 42° E	55 33		64 08	
22	2005 00	04° 45'		4 55	N 42° E	58 71		67 12	
23	2116 00	05° 00'		9 68	N 47° E	65 31		74 20	
24	2210 00	06° 15'		10 24	N 45° E	72 55		81 44	
25	2305 00	06° 45'	2300 63	11 16	N 42° E	80 84		88 91	
26	2456 00	06° 30'		17 09	N 40° E	93 93		99 90	
27	2550 00	06° 15'		10 24	N 40° E	101 77		106 48	
28	2645 00	06° 15'		10 35	N 40° E	109 70		113 13	
29	2739 00	05° 45'		9 42	N 40° E	116 92		119 19	
30	2834 00	06° 00'	2826 56	9 93	N 40° E	124 53		125 57	
31	2929 00	05° 45'		9 52	N 39° E	131 93		131 56	
32	3023 00	05° 30'		9 01	N 35° E	139 31		136 73	
[redacted]	3117 00	05° 15'		8 60	N 35° E	146 36		141 66	
[redacted]	3195 00	05° 30'		7 47	N 37° E	152 33		146 16	
35	3290 00	06° 15'	3280 35	10 35	N 32° E	161 11		151 64	
36	3369 00	06° 15'		8 60	N 30° E	168 56		155 94	
37	3463 00	06° 00'		9 82	N 27° E	177 31		160 40	
38	3556 00	06° 00'		9 72	N 23° E	186 25		164 20	
39	3651 00	05° 30'		9 10	N 23° E	194 63		167 76	
40	3714 00	05° 45'	3702 10	6 31	N 26° E	200 30		170 53	
41	3808 00	06° 15'		10 24	N 19° E	209 98		173 86	
42	3903 00	06° 00'		9 93	N 18° E	219 42		176 93	
43	3965 00	05° 45'		6 21	N 15° E	225 42		178 54	
44	4059 00	05° 00'		8 20	N 11° E	233 47		180 10	
45	4128 00	04° 30'	4114 15	5 42	N 10° E	238 81		181 04	

FORM NO. C—303P

RECORD OF SURVEY

CHECKED BY_____ JOB NO. RS-1362 DATE January 7, 1962 PAGE 3

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST	
46	4203 00	04° 45'		6 21	N 10° E	244 93		182 12		
47	4392 00	04° 45'		15 65	N 15° E	260 05		186 17		
48	4580 00	05° 15'		17 21	N 16° E	276 59		190 91		Direction Interpolated
49	4769 00	06° 45'		22 21	N 18° E	297 71		197 77		
50	4796 00	06° 45'	4778 98	3 17	N 17° E	300 74		198 70		
51	5327 00	06° 45'		62 39	N 25° E	357 28		225 07		
52	5416 00	06° 45'		10 46	N 25° E	366 76		229 49		
53	5495 00	06° 00'		8 26	N 32° E	373 76		233 87		
54	5588 00	05° 45'		9 32	N 36° E	381 30		239 35		
55	5741 00	05° 30'	5718 12	14 66	N 40° E	392 53		248 77		
56	5831 00	05° 30'		8 62	N 45° E	398 63		254 87		
57	5880 00	06° 15'		5 34	N 45° E	402 41		258 65		
58	5946 00	05° 30'		6 32	N 49° E	406 56		263 42		
[illegible]	6030 00	07° 00'		10 24	N 55° E	412 43		271 81		
[illegible]	6166 00	07° 15'	6140 40	17 16	N 52° E	423 00		285 33		
61	6225 00	07° 15'		7 45	N 48° E	427 98		290 87		
62	6259 00	07° 15'		4 29	N 50° E	430 74		294 16		
63	6317 00	07° 00'		7 07	N 47° E	435 56		299 33		
64	6358 00	06° 45'		4 82	N 45° E	438 97		302 74		
65	6410 00	06° 00'	6382 66	5 43	N 44° E	442 88		306 51		
66	6470 00	05° 30'		5 75	N 44° E	447 02		310 50		
67	6532 00	04° 45'		5 13	N 46° E	450 58		314 19		
68	6590 00	04° 00'		4 05	N 40° E	453 68		316 79		
69	6654 00	03° 30'		3 90	N 40° E	456 67		319 30		
70	6677 00	03° 30'	6648 87	1 40	N 40° E	457 74		320 20		

FORM NO. C—303P

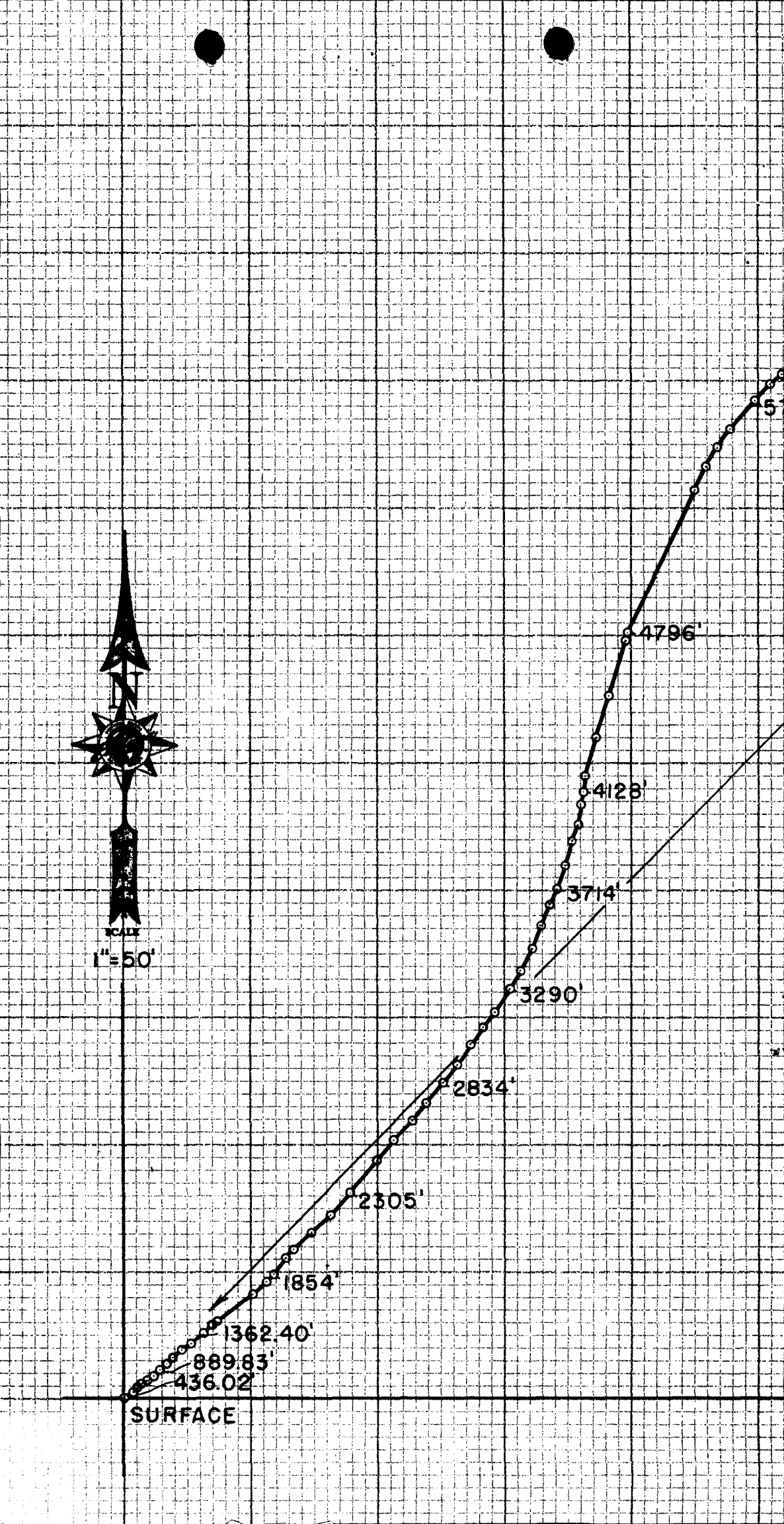
RECORD OF SURVEY

CHECKED BY_____ JOB NO. RS-1362 DATE January 7, 1962 PAGE 4

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES NORTH	SOUTH	EAST	WEST
71	6744 00	03° 45'		4 38	N 45° E	460 84		323 30	
72	6807 00	03° 45'		4 12	N 47° E	463 65		326 31	
73	6868 00	04° 15'		4 52	N 45° E	466 85		329 51	
74	6957 00	04° 15'		6 59	N 40° E	471 90		333 75	
75	7021 00	04° 15'	6992 03	4 74	N 43° E	475 37		336 98	
76	7052 00	04° 15'		2 30	N 45° E	477 00		338 61	
77	7115 00	04° 30'		4 95	N 42° E	480 68		341 92	
78	7151 00	04° 45'		2 98	N 48° E	482 67		344 13	
79	7208 00	04° 45'		4 72	N 49° E	485 77		347 69	
80	7273 00	04° 00'	7243 28	4 54	N 48° E	488 81		351 06	
81	7400 00	10° 00'		22 05	N 60° E	499 84		370 16	
82	7600 00	07° 30'		26 10	N 73° E	507 47		395 12	
83	7892 00	07° 00'		35 59	N 80° E	513 65		430 17	
[illegible]	7975 00	05° 45'		8 32	N 83° E	514 66		438 43	
85	8200 00	04° 30'	8163 33	17 66	N 79° E	518 03		455 77	
86	8450 00	04° 00'		17 45	N 75° E	522 55		472 62	
87	8700 00	02° 00'		8 73	S 87° E	522 09		481 34	
88	8900 00	01° 30'		5 24	S 35° E	517 80		484 35	
89	8933 00	01° 45'		1 01	S 20° E	516 85		484 70	
90	9100 00	02° 15'	9062 37	6 56	S 20° E	510 69		486 94	
91	9407 00	01° 45'		9 36	S 32° E	502 75		491 89	
92	9450 00	01° 45'	9412 20	1 31	N 39° E	503 77		492 71	

CLOSURE 704.66' N 44° 22' E

FORM NO. C—303P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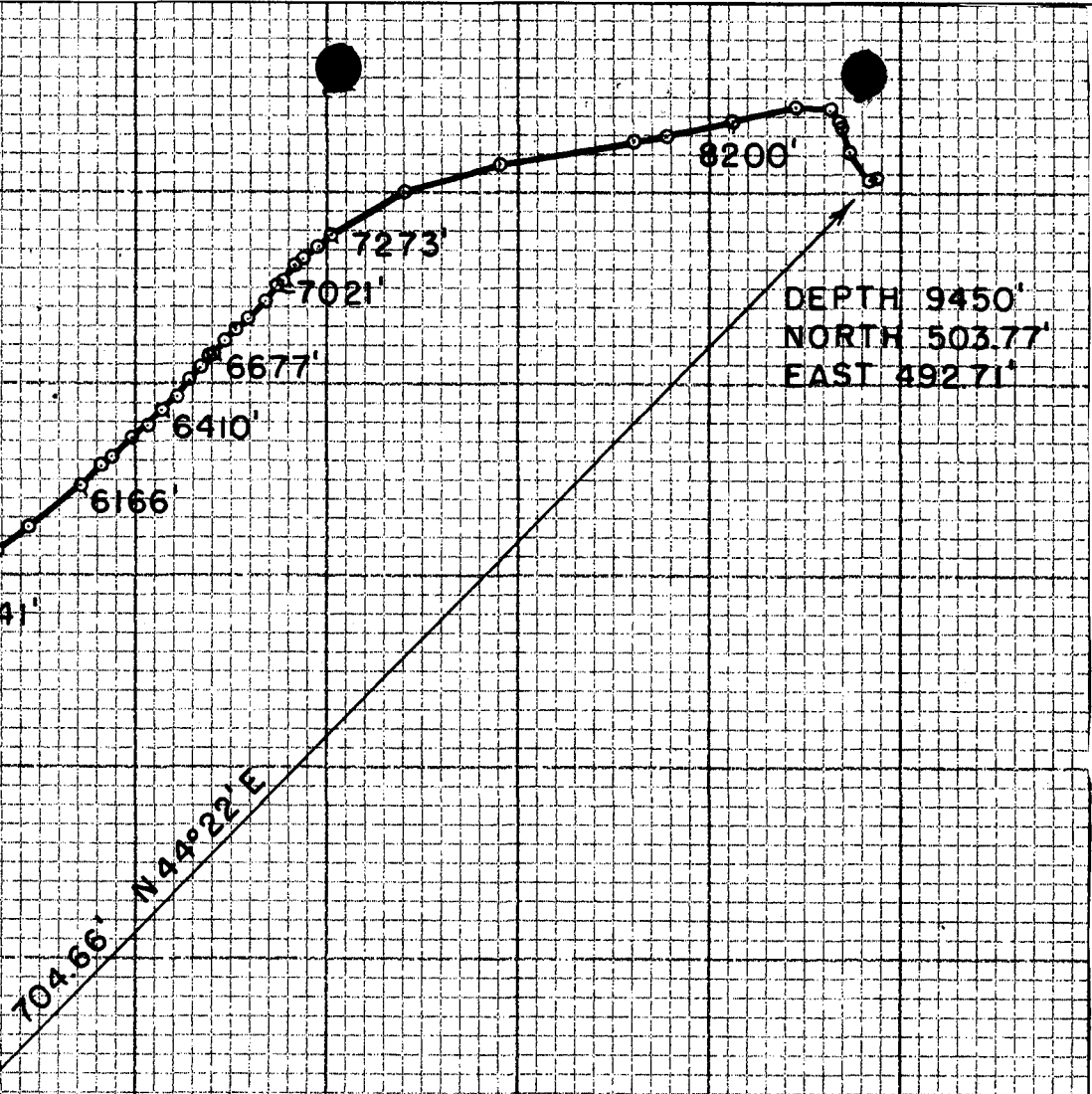
889.83'
1362.40'
1854'
2305'
2834'
3290'
3714'
4128'
4796'
SURFACE



EASTMAN
OIL WELL
SURVEY COMPANY

JOB Nº RS-1362

Form OGCC-1

Copy to USGS

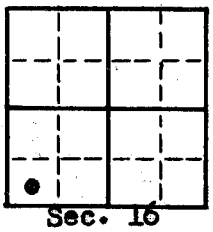
(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH



Fee and Patented ☐
State ☒
Lease No. ML 3536
Public Domain ☐
Lease No.
Indian ☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 3, 1962

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.P.M. (Meridian)

Wildcat (Field) | San Juan County (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ Ground (Ungraded and estimated) above sea level is 6840 feet.

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

12-28-61 Set 1 jts. (15') of 20" OD casing at 15' ground level measurement. Cemented with ready mix cement.

Spudded 12-30-61 at 5:30 p.m. Now drilling at 787' - Inc.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form OGCC-1

Copy to HC

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

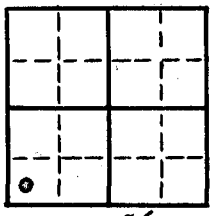
OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.



Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 15, 1962

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.P.M. (Meridian)

Wildcat (Field) | San Juan County (County or Subdivision) | Utah (State or Territory)

The elevation of the ground above sea level is 6847 feet. KB elevation 6863' L & S elevations

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Drilled 8-3/4" hole to 1744'. Reamed to 13-3/4" to 1000'. Ran 31 jts. of 10-3/4" OD 32.75# H-40 casing, set at 1000' KB. Float set at 967'. Unable to circulate after running pipe. Pumped in 270 bbls. of mud with 22% lost circulation material. Recovered circulation. Circulated 45 minutes before cementing. Cemented with 350 sax 50-50 Pozmix, 4% gel, 1/4# Flocele, 1# Tufplug added per sack, also 2% calcium chloride. Tailed in with 125 sax regular with 2% calcium chloride. Pumping cement at rate of 1 bbl. per minute, 70 bbls. of displacement in and lost circulation. Plug down at 12:30 a.m. 1-10-62. Ran 1" pipe down backside of casing. Found cement at 45' from KB. Cemented thru 1" pipe with 75 sax regular cement with 3% calcium chloride with 1# Tufplug and 1/4# Flocele per sack. Job complete at 9:00 a.m. 1-10-62.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for

February, 1962

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed J B Strong

Phone ALpine 3-3581 Agent's title District Chief Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16 Spiller Canyon State No. 1	30S	25E	1	Drlg.	-0-	-0-	-0-	Washed over fish to 1,559'. Unable to get below 1,573'. Screwed back into fish to run free point. Could not get below 1,568'. Ran Dialog clean up tool and cleaned out on inside of drill pipe to 1,590'. Backed off fish at 1,543'. Recovered 1 - 7" drill collar and 1 - 3" change over sub, 7" to 8". Ran 9" wash pipe with clusterite shoe and washed from 1,543' to 1,602'. Backed off fish at 1,600' and recovered 2 - 8" drill collars, leaving 1 - 8" drill collar, shock sub, reamer and bit in hole. Wash to 1,643'. Ran McCullough clean out tool and cleaned out fish from 1,612' to bit. Screwed into fish at 1,600'. Backed off at 1,639'. Recovered 8" drill collar and shock sub. Screwed into fish and attempted to jar fish loose. Unable to do so. Backed off at 1,636'. Washed over to 1,646'. Picked up overshot and recovered fish on 2-13-62. Reamed 8-3/4" hole to 9-7/8" to 4,905' and drilled new hole to 5,155'. Ran 166 jts. of 7-5/8" 29.70# casing, set at 5,155'. Cemented with 400 sax 50-50 Pozmix, salt saturated and with 2% gel, and 500 sax regular salt saturated cement with 1/4# Flecele per sack. Plug down at 8:15 p.m. 2-27-62. Now W.O.C. and nippling up.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Copy to HC

(SUBMIT IN DUPLICATE)

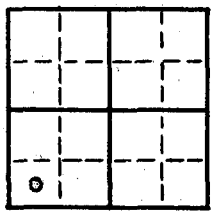
LAND:

RdB

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH



Sec. 16

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans	X	Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 8, 1962

Spiller Canyon State Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | SLBM (Meridian)

Wildcat (Field) | San Juan County (County or Subdivision) | Utah (State or Territory)

The elevation of the ground above sea level is 6847 feet. KB elevation 6863'.

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

SEE SUPPLEMENTAL SHEET ATTACHED

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Change Plans
Spiller Canyon State No. 1 February 8, 1962

Propose to change the casing program to include setting of 7-5/8" Intermediate casing at approximately 5300' with sufficient cement to meet conditions encountered for the reason shown below:

Drilled from 1744' to 4128'. Lost circulation at 2640', 2654' and 4128'. Mixed mud and regained circulation. On January 19, 1962, well made small gas kick at 4697' and 4718'. Turned mud black and had hydrogen sulfide odor, but gas would not burn. Increased mud weight to 10.3# and drilled to 4830'. Well started blowing mud out of hole. Closed hydril and pressure on drill pipe was 350#. Opened to pit and flowed dry gas. Commenced flowing at rate estimated to be 1000 MCF and decreased to 500 MCF in one hour. Drill pipe stuck at 4824'. Pumped 20 bbls. of fresh water ahead of 500 bbls. of 11.6# mud with 25% lost circulation material. Worked drill pipe loose. Killed well with 13# mud with 25% lost circulation material. Drilled to 4905' and well began unloading gas cut mud. Mixed mud to 16.6#. Started reaming 8-3/4" hole to 9-7/8" in order to set 7-5/8" casing. Reamed to 1674' and while pulling up to make connection, pipe stuck 31' off bottom. Bit at 1643'. Pumped 200 sax of regular cement with 2% calcium chloride through drill pipe in an effort to plug off lost circulation zone and form cement plug below bit. Backed off drill pipe at 1512', leaving fish from 1512' to 1643'. Began washing over fish on January 31, 1962. Washed down to 1573'. Screwed back in fish to run free point but could not get below 1568'. Ran Dialog clean up tool and cleaned out on inside of drill pipe to 1590'. Backed off at 1543'. Recovered 1 - 7" drill collar and 1 - 3' change over sub. Washed over from 1543' to 1602'. Backed off fish at 1600' and recovered 2 - 8" drill collars, leaving 1 - 8" drill collar, shock sub, reamer and bit in hole. Washed over fish from 1600' to 1643'. Now rigging up McCullough jet string to clean out drill pipe from 1600' to bit, in order to back off. After fish is recovered, plan to continue reaming hole and set 7-5/8" casing at approximately 5300' with sufficient cement to meet conditions encountered.

Form OGCC-1

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ..... ☐
State ..... ☒
Lease No. ML 3536

Public Domain ..... ☐
Lease No. .....

Indian ..... ☐
Lease No. .....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 28, 19 62

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW, Sec. 16 (¼ Sec. and Sec. No.) — 30S (Twp.) — 25E (Range) — S.L.B.M. (Meridian)

Wildcat (Field) — San Juan (County or Subdivision) — Utah (State or Territory)

The elevation of the ground above sea level is 6847 feet. KB elevation 6861 feet.

A drilling and plugging bond has been filed with .....

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

SEE SUPPLEMENTAL SHEET ATTACHED

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265
Moab, Utah

By J. B. Streng
J. B. Streng

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Spiller Canyon State No. 1
500' FSL and 500' FWL
SW SW Sec. 16, 30S, 25E
San Juan County, Utah

February 28, 1962
Supplementary Well History

Ran McCullough clean out tool. Cleaned out fish from 1612' to bit at 1643'. Backed off at 1639'. Recovered 8" drill collar and shock sub, leaving 9-7/8" bit and Drilco reamer in hole. Washed over fish to 1642'. Ran Clustrite was over shoe and washed over fish from 1642' to 1646'. Picked up overshot and recovered all of fish. Circulated and conditioned mud after recovering fish. No junk in hole. Drilled cement from 1646' to 1674'. Reamed 8-3/4" hole to 9-7/8" from 1674' to present depth of 4905' and drilled 9-7/8" hole to 5155'.

2-26-62 Ran Welex Gamma Ray Acoustic and Guard Log to 5155'.

2-27-62 Ran 166 jts. of 7-5/8" 29.70# casing (5163.46'). (131 jts. Deep-well P-110 29.70#, 35 jts. N-80 29.70#) set at 5155'. Cemented with 400 sax of 50-50 Pozmix, salt saturated, with 2% gel and 500 sax regular salt saturated cement with 1/4# Flocele per sack. Cement circulated at surface. Plug down at 8:15 p.m. Released pressure, plug holding. Pressured up to 600# and shut in. Job complete at 8:20 p.m. 2-27-62. Now preparing to cut off.

Form OGC-1

Copy to HC

(SUBMIT IN DUPLICATE)

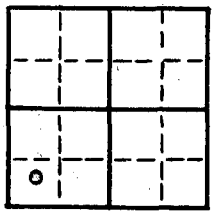
LAND:

RD

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH



Sec. 16

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 28, 1962

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16	30S	25E	S.L.B.M.
(¼ Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)

Wildcat	San Juan County	Utah
(Field)	(County or Subdivision)	(State or Territory)

The elevation of the ground above sea level is 6847 feet. KB elevation 6863'

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

SEE SUPPLEMENTAL SHEET ATTACHED

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Spiller Canyon State No. 1
500' FSL and 500' FWL
SW SW Sec. 16, 30S, 25E
San Juan County, Utah

February 28, 1962
Supplementary Well History

Ran McCullough clean out tool. Cleaned out fish from 1612' to bit at 1643'. Backed off at 1639'. Recovered 8" drill collar and shock sub, leaving 9-7/8" bit and Drilco reamer in hole. Washed over fish to 1642'. Ran Clustrite wash over shoe and washed over fish from 1642' to 1646'. Picked up overshot and recovered all of fish. Circulated and conditioned mud after recovering fish. No junk in hole. Drilled cement from 1646' to 1674'. Reamed 8-3/4" hole to 9-7/8" from 1674' to present depth of 4905' and drilled 9-7/8" hole to 5155'.

2-26-62 Ran Welex Gamma Ray Acoustic and Guard Log to 5155'.

2-27-62 Ran 166 jts. of 7-5/8" 29.70# casing (5163.46'). (131 jts. Deepwell P-110 29.70#, 35 jts. N-80 29.70#) set at 5155'. Cemented with 400 sax of 50-50 Pozmix, salt saturated, with 2% gel and 500 sax regular salt saturated cement with 1/4# Flocele per sack. Plug down at 8:15 p.m. Released pressure, plug holding. Pressured up to 600# and shut in. Job complete at 8:20 p.m. 2-27-62. Now preparing to cut off.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for March, 1962.

Agent's address P. O. Box 265 Company The Pure Oil Company

Moab, Utah Signed J B Strong

Phone ALpine 3-3581 Agent's title District Chief Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16 Spiller Canyon State No. 1	30S	25E	1	Drlg.	-0-	-0-	-0-	Drilled from 5,155' to 9,400'. DST No. 1 9,260' - 9,400'. Drilled to 9,450'. DST No. 2 9,398' - 9,450'. Drilled to TD of 9,661'. Drilling completed 4-9-62. Ran electric logs to T.D. Well temporarily abandoned as follows:

Plug No. 1 - 9,475' - 9,425' - 50' - 25 sax salt saturated cement with 4% gel.
Plug No. 2 - 9,275' - 9,025' - 250' - 50 sax salt saturated cement with 4% gel.
Plug No. 3 - 5,300' - 5,000' - 300' - 50 sax salt saturated cement with 4% gel.

Left 10.7# mud between plugs. Installed flange, 10" x 2" swadge and a 2" valve bolted on top of casing bowl. Rig released at 4:00 p.m. 4-12-62.

FINAL REPORT until work is resumed.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC-1

Copy to HC

(SUBMIT IN DUPLICATE)

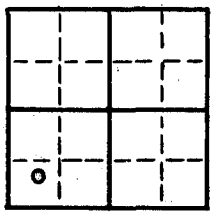
LAND:

Fee and Patented ☐
State ☒
Lease No. ML 3536
Public Domain ☐
Lease No.
Indian ☐
Lease No.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH



Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 2, 1962

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.B.M. (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 6847 feet. KB elevation 6861'. This is 2' correction.

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

Drilled to 9400'. DST No. 1 - 9260' - 9400' Tool open 70 minutes. Opened with fair blow. Gas to surface in 60 minutes. Gas too small to measure. Recovered 270' gas cut mud. Pressures: IH 5060#; 45 minute ICI 1520#; IF 165#; FF 255#; 45 minute FCI 2080#; FH 5040#. Bottom hole temperature 154°.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265
Moab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

KB

Form OGCC-1

Copy to H C

(SUBMIT IN DUPLICATE)

LAND:

RB

STATE OF UTAH

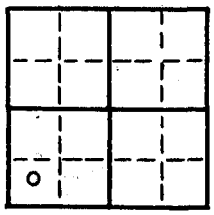
OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.



Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	X
Notice of Intention to Abandon Well			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 4, 1962

Spiller Canyon State Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.B.M. (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 6847 feet. KB elevation 6861'.

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

4-3 & 4-62 Drilled to 9450'. DST No. 2 - 9398' - 9450' Tool open 65 minutes. Very weak blow throughout. Recovered 950' of slightly gas cut salt water. Pressures: IH 5140#; 45 minute ICI 3050#; IF 170#; FF 390#; 45 minute FCI 480#; FH 5120#. Bottom hole temperature 154°.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong
J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for April, 19 62

Agent's address P. O. Box 265 Company THE PURE OIL COMPANY

Moab, Utah Signed J. B. Strong

Phone ALpine 3-3581 Agent's title District Chief Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

April 10, 1962

MEMO FOR FILING

Re: Pure Oil Company
Spiller Canyon State #1
Sec. 16, T. 30 S, R. 25 E.,
San Juan County, Utah

On April 9, 1962, I approved the following plugging procedure on the above well.

The operator plans to plug back and attempt to obtain production by perforating in the Paradox Salt.

T.D. 9625'
Mississippian 9269'
Bottom Paradox Salt 9136'
Run 50' plug across DST @ 9450'.
225' plug at 9050-9275' across Mississippian and bottom of Paradox.
100' across bottom of 7 5/8" casing @ 5155'.

HARVEY L. COONTS
PETROLEUM ENGINEER

HLC:cn

Form OGCC

(SUBMIT IN DUPLICATE)

LAND:

STATE OF UTAH

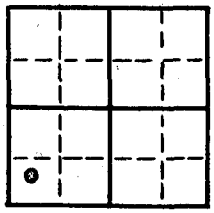
OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ☐
State ☒
Lease No. ML 3536

Public Domain ☐
Lease No.

Indian ☐
Lease No.



Sec. 16

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well Temporarily	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

April 12, 1962

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.B. & M. (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the ~~derrick floor~~ ground above sea level is 6,847 feet. KB elevation 6,861'.

A drilling and plugging bond has been filed with State Land Board.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

SEE SUPPLEMENTAL SHEET ATTACHED

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company The Pure Oil Company

Address P. O. Box 265

Moab, Utah

By J. B. Strong

Title District Chief Clerk

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Notice of Intention to Temporarily Abandon Well — April 12, 1962

Spiller Canyon State No. 1
SW SW, Sec. 16, 30S, 25E, San Juan County, Utah — State Lease No. ML 3536

Drilled from 9,450' to 9,661' TD. Drilling completed at 8:30 a.m. 4-9-62.

Ran electric logs to total depth.

LOG TOPS		TVD
Base of Salt	9,132'	9,044' (-2235')
? Molas	9,214'	9,176' (-2315')
Mississippian	9,247'	9,209' (-2343')
Ouray	9,652'	9,614' (-2753')

Ran cement plugs in bottom of hole as follows:

Plug No. 1 - 9,475' - 9,425' - 50' -	Miss.	25 sax salt saturated cement with 4% gel.
Plug No. 2 - 9,275' - 9,025' - 250' -	Base of salt to Miss.	50 sax salt saturated cement with 4% gel.
Plug No. 3 - 5,300' - 5,000' - 300' -	Bottom of 7-5/8" casing	50 sax salt saturated cement with 4% gel.

Propose to temporarily abandon well by leaving 10.7# mud inside of 7-5/8" casing from the cement plug at 5,000' to surface. Will install flange and valve on top of casing head in order that well may be temporarily abandoned.

The drilling of this well extends the primary lease for two years and it is possible that we will want to reenter this well at a later date.

Be sure with Pure

PURE

THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALpine 3-3581

April 13, 1962

Mr. C. B. Feight
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Dear Mr. Feight:

As per our phone conversation on April 13, 1962 concerning our well, Spiller Canyon State No. 1, located SW SW, Section 16-30S-25E, San Juan County, Utah. We would like to have the information be held in the "Confindential File", especially on the Log Tops, which was submitted to your office on a "Notice of Intention to Temporarily Abandon" dated April 12, 1962.

Thank you very much for your help and information.

Yours very truly,

THE PURE OIL COMPANY

J. W. Burnside

J. W. Burnside
Clerk

/jb

THE SUPERIOR OIL COMPANY
MINERALS DIVISION
P. O. BOX 600
DENVER 1, COLORADO

May 1, 1962

Mr. Cleon B. Feight
Executive Director
The State of Utah Oil and Gas
Conservation Commission
Salt Lake City 11, Utah

Dear Mr. Feight:

In regard to the Spiller Canyon #1 State which was drilled recently by Pure Oil in Section 16, T.30S, R.25E, San Juan County, Utah, I wish to inform you of the following occurrences of potash in said well as indicated by the gamma-acoustic velocity log:

(1) The bed which we normally refer to as the Lower Potash Bed occurs in the interval 2080-2086' in salt cycle 9 (of Hite).

(2) A carnallite zone occurs in salt cycle 10 (of Hite) in the interval 2130-2140'.

(3) A potash bed which occurs over the greater part of the Paradox Basin in salt cycle 19 (of Hite) is present in the interval 3230-3310'. This potash bed, according to Hite, contains, by volume, more potash than any other potash bed in the Paradox formation.

I am furnishing this information with the thought that should it be necessary to plug this well proper measures will be taken to protect the potash. Superior does hold a Utah State lease on this Section 16.

Very truly yours,

THE SUPERIOR OIL COMPANY

Ralph H. Wilpolt

Ralph H. Wilpolt
Manager, Minerals Division

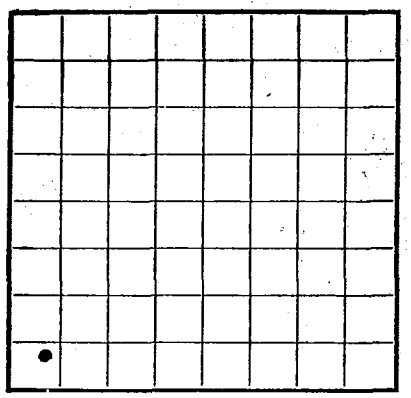
RHW/jmw

Form OGCC-3

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City, Utah



LOCATE WELL CORRECTLY

To be kept Confidential until [redacted]
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company The Pure Oil Company Address P.O. Box 265 - Moab, Utah

Lease or Tract: The Pure Oil Company Field Wildcat State Utah

Spiller Canyon State
Well No. 1 Sec. 16 T. 30S R. 25E Meridian S.L.P.M. County San Juan

Location 500 ft. [N.] of S Line and 500 ft. [E.] of W Line of SW SW, Sec. 16 Elevation KB 6861'
(Derrick floor relative to sea level) Gr. 6847'

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J B Strang

Date May 17, 1962 Title District Chief Clerk

The summary on this page is for the condition of the well at above date.

Commenced drilling December 30, 1961 Finished drilling April 9, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from None to ____ No. 4, from ____ to ____

No. 2, from ____ to ____ No. 5, from ____ to ____

No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from None to ____ No. 3, from ____ to ____

No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
20"	91#	8-V	SS	15'	Coupling				Cemented to surface.
10-3/4"	32.75#	8-R	SS	1000'	Float				"
7-5/8"	29.70#	8-R	SS	5155'	Float				Intermediate String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	15'	9 yrds Ready Mix	Gravity		
10-3/4"	1000'	550 sx	Halliburton		
7-5/8"	5155'	900 sx	Halliburton		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____

Adapters—Material ____ Size ____

SHOOTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
20"	15'	9 yrds Ready Mix	Gravity		
10-3/4"	1000'	550 sx	Halliburton		
7-5/8"	5155'	900 sx	Halliburton		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from zero feet to 9,661 feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

Temporarily Abandoned

Date ~~Exca~~ April 12, 1962 Put to producing ....., 19....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			At the end of complete Driller's Log add Geologic Tops. State whether from Electric Logs or samples.
-0-	912'	912'	Sand and shale.
912'	945'	33'	XX Limestone.
945'	1354'	409'	Lime and shale.
1354'	1744'	390'	Lime and anhydrite.
1744'	3976'	2232'	Salt.
3976'	4128'	152'	Dolomite stringers in salt.
4128'	5722'	1594'	Salt.
5722'	6295'	573'	Salt and shale.
6295'	6734'	439'	Salt.
6734'	7309'	575'	Salt and shale.
7309'	7364'	55'	Salt.
7364'	7373'	9'	Shale.
7373'	7862'	489'	Salt.
7862'	7951'	89'	Salt, shale and dolomite.
7951'	8010'	59'	Salt, shale and anhydrite.
8010'	8627'	617'	Salt.
8627'	8900'	273'	Salt and shale.
8900'	8945'	45'	Limestone and shale.
8945'	9026'	81'	Salt, shale small amounts of limestone.
9026'	9082'	56'	Lime and shale.
9082'	9163'	81'	Salt, shale, dolomite and anhydrite.
9163'	9205'	42'	Lime and shale.
9205'	9254'	49'	Lime, shale and anhydrite.

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
9254'	9303'	49'	Lime and shale.
9303'	9450'	147'	Limestone.
9450'	9500'	50'	Lime.
9500'	9532'	32'	Lime and chert.
9532'	9611'	79'	Limestone.
9611'	9661'	50'	Lime and chalk.
		9661'	TOTAL DEPTH

DST No. 1, 9260' - 9400'. Tool open 70 minutes. Opened with fair blow. Gas to surface in 60 minutes. Burns 10" flame. Recovered 270' gas cut mud. Gas too small to measure. Pressures: (Bottom Bomb) IH 5060, 45 minute ICI 1520, IF 165, FF 255, 45 minute FCI 2080, FH 5040. Bottom hole temperature 154°.

DST No. 2, 9398' - 9450'. Tool open 65 minutes. Very weak blow throughout. Recovered 950' of slightly gas cut salt water. Pressures: IH 5140, 45 minute ICI 3050, IF 170, FF 390, 45 minute FCI 480, FH 5120. Bottom hole temperature 154°.

LOG TOPS

Base of Salt	9132'	True vertical depth 9044'	(-2235)
? Molas	9214'	True vertical depth 9176'	(-2315)
Mississippian	9247'	True vertical depth 9209'	(-2343)
Ouray	9652'	True vertical depth 9614'	(-2753)

Plugged back to 5000' as follows:

Plug No. 1	9475' - 9425'	- 50'	- 25 sx salt cement with 4% Gel.
Plug No. 2	9275' - 9025'	- 250'	- 50 sx salt cement with 4% Gel.
Plug No. 3	5300' - 5000'	- 300'	- 50 sx salt cement with 4% Gel.

(Left 10.7 lb mud at 80 Viscosity between cement plugs.)

Installed Flange, 10" x 2" Swedge and a 2" valve, bolted on to top of Casing Bowl.
Well Temporarily Abandoned April 12, 1962.

Be sure with Pure

PURE

THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • Four Corners District

P. O. BOX 265 • MOAB, UTAH • ALpine 3-3581

May 17, 1962

Spiller Canyon State No. 1
SW SW, Sec. 16-30S-25E
San Juan County, Utah

Mr. C. B. Feight
Oil & Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Dear Mr. Feight:

We wrote you a letter on April 13, 1962, on keeping Spiller Canyon State No. 1, in the "Confidential File". As of this date, this well need not be held confidential. Thank you for your assistance very much.

Attached are the Log of Oil or Gas Well, Ecectric Logs and a Eastman Directional Survey Report, on the above mentioned well.

Yours very truly,

THE PURE OIL COMPANY

J. B. Strong JB

J. B. Strong
District Chief Clerk

/jb

Attachments

Copy A.L.C.

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for May and June, 1962.

Agent's address P. O. Box 265 Company THE PURE OIL COMPANY

Moab, Utah Signed J B Strong

Phone ALpine 3-3581 Agent's title Senior District Clerk

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

Copy H.L.C.

page 7

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for July, 1962.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Logan

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Copy H.L.G.

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for August, 1962.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L. K. Eggen

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC-4

Copy H. A.C.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

State Capitol Building

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for September, 19 62.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Eggen

Phone 253-3581 Agent's title DISTRICT OFFICE MANAGER

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC-4

Copy H.L.C.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

State Capitol Building

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for October, 1962.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Cogge

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

Copy H. L. C.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for November, 1962

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L. K. Coggan

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for December, 1962

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Cragg

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

Copy H.L.C.

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for January, 1963

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed D. K. Coggan

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC-4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
State Capitol Building
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for February, 1963.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed [signature]

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for April, 1963.

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Boggs

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML-3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Form OGCC 4

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for

May, 19 63

Agent's address P. O. Box 1338 Company THE PURE OIL COMPANY

Moab, Utah Signed L K Cogger

Phone 253-3581 Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. Indian Lease No. Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1 Spiller Canyon State	TA	-0-	-0-	-0-	

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

Be sure with Pure

PURE

THE PURE OIL COMPANY

NORTHERN PRODUCING DIVISION • MOAB DISTRICT
P. O. BOX 1338 • MOAB, UTAH • PHONE 253-3581

June 5, 1963

Mr. Cleon B. Feight, Executive Secretary
Utah Oil and Gas Conservation Commission
310 Newhouse Building
10 Exchange Place
Salt Lake City 11, Utah

Dear Jack:

Enclosed is the Sundry Notice for plugging of our Spiller Canyon State No. 1 well, located in the SW SW, Sec. 16, Twp. 30S, Rge. 25E, San Juan County, Utah.

As you know, this well was temporarily abandoned in April, 1962. The Log of Oil or Gas Well was submitted to your office in May, 1962, showing the well as temporarily abandoned. To eliminate filing a revised Log of Oil or Gas Well, perhaps your office could put the additional information shown on the enclosed Sundry Notice on the previously submitted Log of Oil or Gas Well.

Yours very truly,

THE PURE OIL COMPANY

John B. Strong

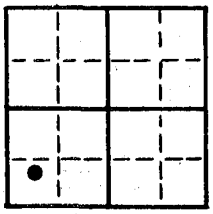
John B. Strong
Senior District Clerk

Form OGCC-1

Copy H. L. E

(SUBMIT IN DUPLICATE)

LAND:



Sec. 16

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SALT LAKE CITY, UTAH

Fee and Patented ..... ☐
State ..... ☒
Lease No. ML 3536

Public Domain ..... ☐
Lease No. .....

Indian ..... ☐
Lease No. .....

SUNDRY NOTICES AND REPORTS ON WELLS

Notice of Intention to Drill		Subsequent Report of Water Shut-off	
Notice of Intention to Change Plans		Subsequent Report of Altering Casing	
Notice of Intention to Redrill or Repair		Subsequent Report of Redrilling or Repair	
Notice of Intention to Pull or Alter Casing		Supplementary Well History	
Notice of Intention to Abandon Well		Supplementary Notice of Abandonment	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

June 5, 1963

Spiller Canyon State
Well No. 1 is located 500 ft. from {N/S} line and 500 ft. from {E/W} line of Sec. 16

SW SW Sec. 16 (¼ Sec. and Sec. No.) | 30S (Twp.) | 25E (Range) | S.L.B. & M. (Meridian)

Wildcat (Field) | San Juan (County or Subdivision) | Utah (State or Territory)

The elevation of the ground above sea level is 6,847 feet. KB elevation 6,861'

A drilling and plugging bond has been filed with State Land Board

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important work, surface formation, and date anticipate spudding-in.)

6-5-63 Removed Bradenhead and put 10' cement plug (5 sax regular cement) in top of intermediate casing. Installed dry hole marker in accordance with State of Utah regulations. Well P & A.

This well was temporarily abandoned 4-9-62 as reported on Sundry Notice dated 4-12-62.

10.7# mud left in casing from plug at 5,000' back to surface.

7-5/8" 29.70# casing set at 5,155', through high pressure blow out zone, and cemented back to surface casing.

I understand that this plan of work must receive approval in writing by the Commission before operations may be commenced.

Company THE PURE OIL COMPANY

Address P. O. Box 1338

Moab, Utah

By L. K. Coggan

Title District Office Manager

INSTRUCTIONS: A plat or map must be attached to this form showing the location of all leases, property lines, drilling and producing wells, within an area of sufficient size so that the Commission may determine whether the location of the well conforms to applicable rules, regulations and orders.

Form OGCC 4

Copy H-L-C.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Spiller Canyon State No. 1

The following is a correct report of operations and production (including drilling and producing wells) for June, 1963.

Agent's address P. O. Box 1338
Moab, Utah
Phone 253-3581

Company THE PURE OIL COMPANY
Signed L K Eggen
Agent's title District Office Manager

State Lease No. ML 3536 Federal Lease No. ..... Indian Lease No. ..... Fee & Pat. ☐

Sec. & ¼ of ¼	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
SW SW Sec. 16	30S	25E	1	A	-0-	-0-	-0-	6-5-63: Removed bradenhead, put 10' cement plug (5 sacks regular cement) in top of intermediate string. Installed dry hole marker in accordance with State of Utah regulations. 10.7# mud left in casing from plug at 5,000' back to surface. 7-5/8" 29.70# casing set at 5,155', through high pressure blow out zone, and cemented back to surface casing. Well P & A 6-5-63. FINAL REPORT

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift SI-Shut In D-Dead GI-Gas Injection TA-Temp. Aban. WI-Water Injection

As per Stan, gas analysis comparable to previous samples
Jcy

Recvd. Ama

RECEIVED JAN 18 1978 JAN 23 1978

MESA PETROLEUM CENTRAL DIV.

JLF	
SD	

GD	
TLS	

RWK
HRB
LWH
well file

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS
January 10, 1978

1-19-78

File RFL 77867

Company Mesa Petroleum Company
Formation
Well Lisbon Fed. 2-21F
County San Juan
Field Little Valley
State Utah

HYDROCARBON ANALYSIS OF Meter Run GAS SAMPLE

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide	1.49	
Carbon Dioxide	17.60	
Nitrogen	9.55	
Methane	63.57	
Ethane	5.00	1.330
Propane	1.54	0.421
iso-Butane	0.35	0.114
n-Butane	0.46	0.144
iso-Pentane	0.16	0.058
n-Pentane	0.13	0.047
Hexanes	0.08	0.033
Heptanes plus	0.07	0.032
	100.00	2.179

Calculated gas gravity (air=1.000) = 0.833

Calculated gross heating value = 822 BTU per cubic foot of dry gas at 14.65 psia at 60°F.

Collected at 740 psig and °F., in the field.

Cylinder No. 30.

Core Laboratories, Inc.

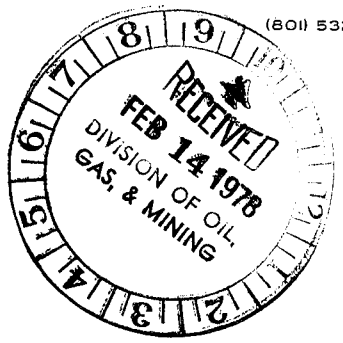
P. L. Moses, Manager
Reservoir Fluid Analyis

PLM:HRF:gb

1cc.- Mr. James Archer
Mesa Petroleum Co.
Aztec, New Mexico 87410

4cc.- Mesa Petroleum Co.
Amarillo, Texas 79105

LAW OFFICES OF
HUGH C. GARNER
SUITE 580 KENNECOTT BUILDING
SALT LAKE CITY, UTAH 84133
(801) 532-5660



February 13, 1978

Division of Oil, Gas, and Mining
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah

RE: Application for Permit to Drill, etc.
Cordillera Corporation, Applicant
Little Valley Field, San Juan County, Utah

ATTN: Mr. Cleon J. Feight

Gentlemen:

On behalf of Cordillera Corporation I hand you herewith, in quadruplicate, an Application for Permit to Drill, Deepen, or Plug Back the well designated as Well No. 1 Cordillera located in Section 16, Township 30 South, Range 25 East, S.L.M. Said well is to be drilled at the location specified under the Order issued by your Board in Cause No. 70-2.

In the interest of time, please forward directly to the applicant, Cordillera Corporation, at 2334 East Third Avenue, Denver, Colorado 80206, the approved application copies.

Very truly yours,

Hugh C. Garner

HCG:lms

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME: State

2. NAME OF OPERATOR: Cordillera Corporation

9. WELL NO.: #1 Cordillera

3. ADDRESS OF OPERATOR: 2334 East Third Avenue, Denver, CO 80206

10. FIELD AND POOL, OR WILDCAT: Little Valley

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 500' FSL & 500' FWL Sec 16, T30S, R25E SLPM
At proposed prod. zone: Same SW SW SW

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 16 T30S R25E

San Juan County, Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12. COUNTY OR PARISH: San Juan | 13. STATE: Utah

RECEIVED
FEB 14 1978
DIVISION OF OIL, GAS, & MINING

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
500'	640	-
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	9200	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6847'

22. APPROX. DATE WORK WILL START*: March 1, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4	10 3/4	32.75	1000' KB	475 Sx
9 7/8	7 5/8	29.70	5155' KB	400 Sx

This well to be drilled to test for gas in the Mississippian formation. Rotary tools will be used through the above casing. In the event of commercial production a 5" liner will be run from 5155 through the production zone and cemented with 250 sx. Blowout preventor will be installed with kill lines below the blind rams and tested at regular intervals. A 6 3/4" hole will be drilled below the 7 5/8 casing with directional tools to assure the bottom of hole being directly under surface location. Salt saturated mud will be used for circulation. The well will be logged and the zone tested if necessary. Restoration will be as required.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED [signature] TITLE President DATE February 7, 1978

(This space for Federal or State office use)

PERMIT NO. 43-037-11356 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

February 17, 1978

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

Re: Well No. State #1 Cordillera
Sec. 16, T. 30 S, R. 25 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to re-enter the above referred to well is hereby granted in accordance with the Order issued in Cause No. 70-2, dated August 24, 1977. However, you shall be required to comply with the following provisions of said Order during such re-entry operation:

1) "Said well or hole must bottom with a vertical deviation of 75 feet or less from the surface location of said well. Also, a comprehensive directional survey, made by an independent, recognized company, must be filed with this Division as soon as possible after said well has had casing set and before completion efforts are attempted."

2) "After said well has been completed the staff will be immediately notified in order that an interference test, as prescribed by the Staff, might be arranged with Mesa Petroleum Corporation, operator of the gas well located in Section 22."

3) After the above mentioned interference test data has been submitted to, and evaluated by, the Division's staff, a hearing will be held for the purpose of pro-rating the production from the well in Section 16, if required.

Further, it is requested that Cordillera assures a drilling and plugging bond has been properly filed with the Division of State Lands prior to commencement of operations.

Should you determine that it will be necessary to plug and abandon

this well, you are hereby required to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after commencement of operations, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-11356.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

sw
cc: U.S. Geological Survey
Mesa Petroleum Corporation

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

19 June 1978

DIVISION OF OIL, GAS AND MINING
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

RE WELL STATUS REPORT
State #1 Cordillera
Sec 16, T30S, R25E
San Juan County, Utah

Gentlemen:

Subject well is being drilled directionally by Eastman Whipstock, Inc. Depth on the morning of June 19, 1978, was 8,864 feet, with coordinates from surface location being N 37', E 22'.

No water zones have been penetrated as yet, but had sour gas in clastics at 7,369 feet.

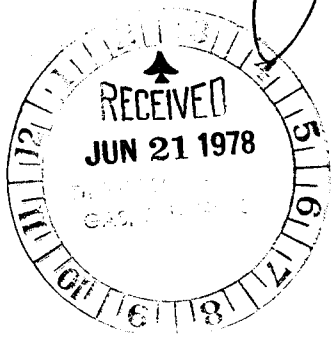
Have safety engineer with necessary alarms and equipment on location, also using degasser and iron sponge in drilling fluid. Mud was showing up to 200 ppm H_2S, but after degassing and treating it is nil.

Very truly yours,

Jack M Lucey

JACK M. LUCEY

JML/nll



Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: CORDILLERA CORPORATION

3. ADDRESS OF OPERATOR: 2334 East Third Avenue Denver, CO 80206

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FWL, 500' FSL, Sec. 16, T30S, R25E

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: #1

10. FIELD AND POOL, OR WILDCAT: Little Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 16, T30S, R25E

14. PERMIT NO.: 43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6847

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Well status			☐
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

June Activity

Drilled to 9404'. Preparing to run DST #1 from 9259' - 9404' prior to reaching gas - water contact. The coordinates at this depth from surface location S 26.8' E 14'.

Sample tops:

Lower Hermosa	8834'
Molas	8953'
Mississippian	8992'
Mississippian Porosity	9250'

No water flows have been encountered - all salt to Hermosa then shales, domilite and limestone.

RECEIVED JUL 10 1978

18. I hereby certify that the foregoing is true and correct

SIGNED Joel M. Lucey TITLE Engineer DATE July 7, 1978

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

3,13

KMG

11 July 1978

DIVISION OF OIL, GAS, AND MINING
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

Gentlemen:

RE WELL NO. STATE #1 CORDILLERA
Section 16, T 30 S, R 25 E
San Juan County, Utah

In accordance with the order issued in Cause No. 70-2 dated August 24, 1977, we enclose a directional survey made by Eastman Whipstock Company on the captioned well. This survey is submitted as requested prior to startup of well completion efforts.

As previously reported, we topped the Mississippian at 8,992' measured depth. The record of survey does not show the coordinates at this particular depth, but by interpolation we find that the coordinates would be 10.47' North, 17.35' East of the surface location.

Please refer any questions that may arise to Mr. Jack Lucey of this office.

Very truly yours,

Nancy Lettola

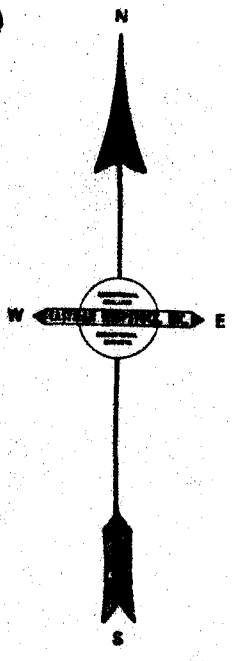
NANCY LETTOLA

nll

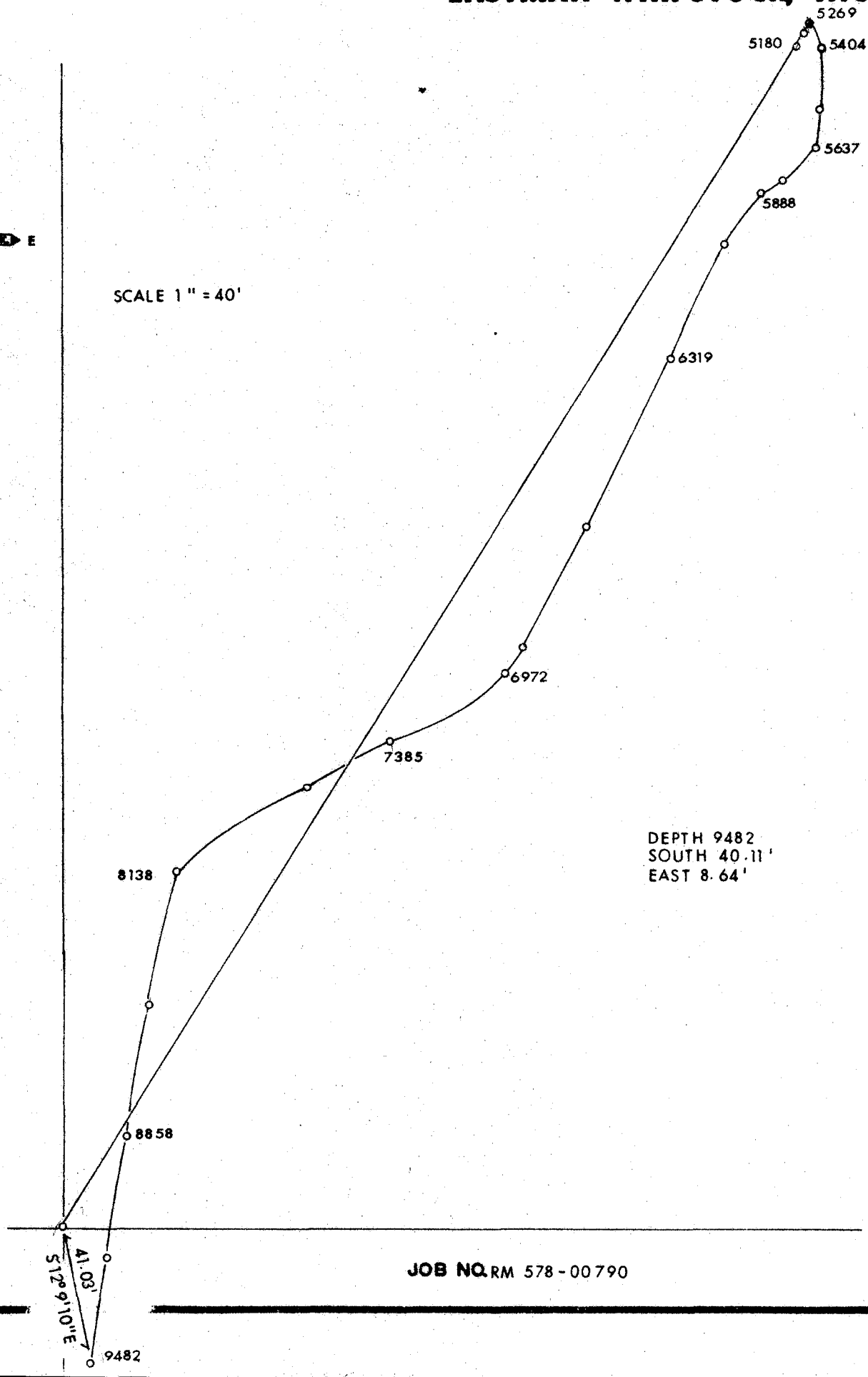
Enclosures

PLAN

EASTMAN WHIPSTOCK, INC.



SCALE 1 " = 40'



DEPTH 9482
SOUTH 40.11'
EAST 8.64'

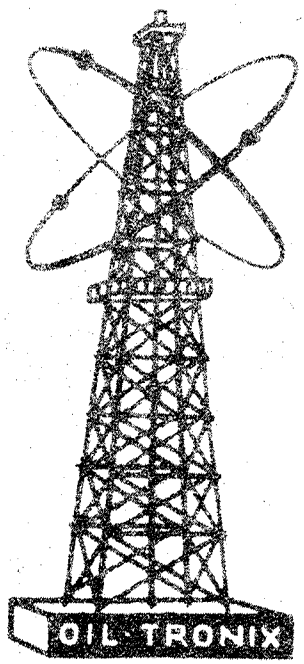
JOB NO. RM 578-00790

CORDILLERA CORP
JOB RM578-D0790
SPILLER CANYON STATE £1

DATE 5/15/78

RECORD OF SURVEY

RADIUS OF CURVATURE METHOD



Oil-Tronix Ltd.

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		DOG LEG SEVERITY DEG/100FT
4796.	6 45	N 17 E	4778.98	300.74 N	198.70 E	0.0
5150.	6 45	N 23 E	5130.52	339.82 N	212.92 E	0.2
5180.	5 0	N 26 E	5160.36	342.61 N	214.20 E	5.9
5207.	5 30	N 29 E	5187.24	344.81 N	215.34 E	2.1
5238.	3 45	N 35 E	5218.14	346.93 N	216.66 E	5.8
5269.	2 30	N 63 E	5249.09	348.02 N	217.93 E	6.3
5299.	2 30	S 66 E	5279.06	348.06 N	219.19 E	7.2
5331.	3 45	S 33 E	5311.01	346.94 N	220.50 E	6.7
5373.	4 30	S 0 E	5352.90	344.08 N	221.35 E	5.8
5404.	5 30	S 4 W	5383.78	341.38 N	221.25 E	3.4
5436.	6 0	S 6 W	5415.61	338.19 N	220.97 E	1.7
5497.	7 15	S 6 W	5476.20	331.19 N	220.24 E	2.0
5529.	7 45	S 1 W	5507.93	327.02 N	219.98 E	2.6
5550.	8 45	S 2 E	5528.71	324.01 N	220.01 E	5.2
5580.	7 30	S 1 E	5558.40	319.77 N	220.12 E	4.2
5611.	6 15	S 11 W	5589.18	316.08 N	219.80 E	6.1
5637.	5 30	S 24 W	5615.04	313.55 N	219.00 E	5.9
5668.	5 30	S 40 W	5645.89	311.04 N	217.43 E	4.9
5728.	4 45	S 55 W	5705.65	307.43 N	213.49 E	2.5
5760.	4 30	S 49 W	5737.54	305.84 N	211.45 E	1.7
5789.	4 15	S 54 W	5766.46	304.46 N	209.72 E	1.6
5820.	4 15	S 58 W	5797.37	303.17 N	207.82 E	1.0
5851.	4 0	S 65 W	5828.29	302.11 N	205.86 E	1.8
5888.	5 0	S 53 W	5865.17	300.62 N	203.38 E	3.7
5949.	7 30	S 27 W	5925.80	295.58 N	199.14 E	6.1
5981.	7 30	S 29 W	5957.52	291.89 N	197.18 E	0.8
6045.	7 30	S 25 W	6020.97	284.45 N	193.39 E	0.8
6136.	7 30	S 24 W	6111.19	273.64 N	188.47 E	0.1
6228.	7 30	S 26 W	6202.40	262.75 N	183.39 E	0.3
6319.	7 45	S 31 W	6292.60	252.15 N	177.63 E	0.8

MEASURED DEPTH FEET	DRIFT ANGLE D	M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET		DOG LEG SEVERITY DEG/100FT
6412.	8	15	S 27 W	6384.69	240.83 N	171.36 E	0.8
6506.	8	45	S 26 W	6477.66	228.40 N	165.16 E	0.6
6599.	8	45	S 29 W	6569.57	215.85 N	158.63 E	0.5
6690.	9	30	S 25 W	6659.41	203.00 N	152.08 E	1.1
6741.	9	45	S 27 W	6709.70	195.33 N	148.34 E	0.8
6802.	10	15	S 28 W	6769.77	185.93 N	143.45 E	0.9
6833.	10	0	S 28 W	6800.28	181.13 N	140.89 E	0.8
6895.	10	0	S 26 W	6861.34	171.53 N	136.01 E	0.6
6913.	10	0	S 31 W	6879.06	168.79 N	134.51 E	4.8
6943.	9	15	S 34 W	6908.63	164.56 N	131.82 E	3.0
6972.	7	30	S 47 W	6937.32	161.35 N	129.08 E	8.9
7016.	6	0	S 68 W	6981.01	158.59 N	124.78 E	6.5
7047.	5	0	S 59 W	7011.87	157.26 N	122.09 E	4.3
7078.	5	15	S 57 W	7042.74	155.80 N	119.74 E	1.0
7140.	5	15	S 59 W	7104.48	152.79 N	114.93 E	0.3
7202.	5	15	S 60 W	7166.22	149.91 N	110.04 E	0.1
7265.	5	0	S 61 W	7228.96	147.14 N	105.14 E	0.4
7325.	5	0	S 63 W	7288.73	144.68 N	100.52 E	0.3
7385.	5	30	S 57 W	7348.48	141.94 N	95.76 E	1.2
7478.	6	0	S 59 W	7441.01	137.00 N	87.86 E	0.6
7572.	5	45	S 59 W	7534.52	132.04 N	79.61 E	0.3
7663.	5	30	S 59 W	7625.07	127.45 N	71.97 E	0.3
7756.	5	30	S 57 W	7717.64	122.73 N	64.41 E	0.2
7880.	5	30	S 59 W	7841.07	116.43 N	54.33 E	0.2
8065.	5	30	S 62 W	8025.21	107.70 N	38.90 E	0.2
8107.	5	30	S 62 W	8067.02	105.81 N	35.35 E	0.0
8138.	5	30	S 36 W	8097.88	103.88 N	33.13 E	8.0
8189.	5	30	S 14 W	8148.64	99.47 N	31.07 E	4.1
8249.	5	45	S 9 W	8208.34	93.72 N	29.90 E	0.9
8342.	6	0	S 8 W	8300.86	84.30 N	28.49 E	0.3

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D	TRUE VERTICAL DEPTH FEET	RECTANGULAR COORDINATES FEET	DOG LEG SEVERITY DEG/100FT
8433.	6 0	S 7 W	8391.36	74.87 N 27.25 E	0.1
8527.	6 30	S 10 W	8484.80	64.75 N 25.74 E	0.6
8619.	7 0	S 12 W	8576.16	54.13 N 23.68 E	0.6
8772.	6 30	S 7 W	8728.09	36.40 N 20.71 E	0.5
8858.	7 0	S 7 W	8813.49	26.37 N 19.48 E	0.6
8959.	6 45	S 8 W	8913.76	14.38 N 17.90 E	0.3
9050.	7 0	S 8 W	9004.11	3.59 N 16.38 E	0.3
9166.	5 45	S 8 W	9119.38	9.16 S 14.59 E	1.1
9258.	5 30	S 2 W	9210.94	18.13 S 13.81 E	0.7
9352.	6 0	S 11 W	9304.46	27.48 S 12.74 E	1.1
9482.	5 45	S 25 W	9433.78	40.11 S 8.64 E	1.1

FINAL CLOSURE - DIRECTION: S 12 DEGS 9 MINS 10 SECS E
DISTANCE: 41.03 FEET

FILE IN QUADRUPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: CORDILLERA STATE #1

Operator: Cordillera Corporation Address: 2334 East Third Ave. Denver, CO 80206

Contractor: Cactus Drilling Corp. Address: Drawer 2800 Midland, TX 79701

Location SW 1/4 SW 1/4; Sec. 16 T. 30 ~~N~~ S, R. 25 ~~E~~ W; San Juan County.

Water Sands:

None encountered.

	Depth:		Volume:	Quality:
	From-	To-	Flow Rate or Head	Fresh or Salty
1.				
2.				
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

Lower Hermosa	8834'
Molas	8953'
Mississippian	8992'

Remarks: The tops are measured depths and not true vertical depths.

NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

July 21, 1978

Division of Oil, Gas and Mining
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

Re: Cordillera State #1
Section 16, T30S, R25E
San Juan County, Utah

Gentlemen:

On July 11, 1978 we sent you a copy of Eastman's directional survey on the subject well. The report did not include the plan view, as it was not complete at the time of mailing.

Enclosed is the plan view for inserting in the survey report.

Very truly yours,

Jack M. Lucey

JML/rs
Encl.

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

July 28, 1978

Division of Oil, Gas & Mining
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

Re: Cordillera State #1
Little Valley Field
San Juan County, Utah

Attn: Mr. Patrick L. Driscoll
Chief Petroleum Engineer

Gentlemen:

Although we are not through completing the subject well enclosed is the information we have to date, the DST and geological report. Copies of the logs are being sent direct by Schlumberger Well Services. We did perforate 104' of porosity, followed with an acid job and are in the process of cleaning up for a test.

As mentioned over the phone, we had furnished all information to date to Mesa Petroleum prior to Mr. Lemmon's letter to you.

Very truly yours,

Jack M. Lucey

JML/rs

Encl.

LIONEL BRENNEMAN - PETROLEUM GEOLOGIST

630 GUARANTY BANK BUILDING
DENVER, COLORADO 80202
OFFICE 303 / 534-6188
HOME 303 / 794-7092

LITTLE VALLEY PROSPECT

WELL REPORT

CORDILLERA CORP.

NO. 1 SPILLER CANYON

SWSW Section 16-30S-25E

San Juan County, Utah

TABLE OF CONTENTS

LIONEL BRENNEMAN - PETROLEUM GEOLOGIST

630 GUARANTY BANK BUILDING
DENVER, COLORADO 80202
OFFICE 303 / 534-6188
HOME 303 / 794-7092

RESUME

Operator:	Cordillera Corp. 2334 East 3rd Avenue Denver, Colo. 80206
Well:	No. 1 Spiller Canyon - State
Location:	SWSW Section 16 - 30S - 25E San Juan County, Utah
Field:	Little Valley
Elevation:	6847 ground, 6861 Kelley Bushing
Casing:	7 5/8" to 5155", 10 3/4" @ 1000', 4 1/2", N80, 11.6# @ 9517
Hole Size:	6 3/4" to 9116, 6 1/2" to 9517
Total Depth:	9510 driller, 9517 logs
Bottom Formation:	Mississippian - Leadville
Mud:	Salt Saturated Gel
Spud:	5/22/70
Completed:	Ran Production Casing 7-4-78
Cores:	None
DST's:	No. 1 9259-9404
Logs:	Dual Lateralog 9155-9517, Compensated Neutron-Formation Density 7520-9517, Borehole Compensated Sonic-GR-Caliper 7200-9517
Contractor:	Cactus Drilling Co, Rig 20
Status:	Gas Well - Hydrocarbon Gas w/2000 PPM H_2S in Mississippian-Leadville Formation.

FORMATION TOPS - ELEV. KB 6861

	Samples	Logs	Comparison With Mesa 2-21-F Federal
Lower Hermosa	8834	8833 (-1972)	+144
Molos	8960	8956 (-2095)	+ 94
Mississippian	8890	8993 (-2132)	+113
Dolomite	9240	9243 (-2382)	+ 56
Total Depth	9510	9517 (-2656)	

BIT RECORD

6 3/4" Hole

No.	Make	Type	Depth Out	Footage	Hours
1	Security	M4N	5200	Used for clean out	
2	Smith	F-2	5290	90	11 1/2
3	Security	S88	5548	258	29 3/4
4	Smith	F-2 r.r.	5658	110	25 1/2
5	Smith	F-2	5871	213	13 1/2
6	Security	S88 r.r.	5955	84	23 3/4
7	Smith	F-2 r.r.	5986	31	19
8	Security	M4N r.r.	6016	30	8 1/2
9	Smith	F-2	6927	911	78 3/4
10	Smith	V2HJ	7030	103	3 1/2
11	Smith	V2HJ	7367	337	20 3/4
12	Smith	V2HJ	7614	247	20 3/4
13	Smith	V2HJ	8107	493	23 1/2
14	Smith	V2HJ	8181	74	5 1/2
15	Smith	V2HJ	8746	565	24 1/4
16	Smith	F-2	8894	148	36 1/2
17	Smith	V2HJ	8926	32	21
18	Security	S88	9116	190	81
		Changed hole size to 6 1/2"			
19	Hughes	J-44	9404	288	85 1/2
20	Hughes	J-33	9510	106	24

DEVIATION SURVEYS

This was a directionally drilled hole and survey control run by Eastman Survey. Detailed certified report has been prepared by them.

MUD PROPERTIES

Northern Drilling Fluids - Everette Toombs, Engineer
(Saturated Salt Gel) w/1-2% Oil from 6400 to T.D.

Date	Depth	Wt.	Vis.	Ph	Water Loss	Cake	Solids %	Total Salt (PPM)
5/22	5240	10.4	33	11	22	3/32	12½	301,950
5/23	5290	10.4	34	11.5	10	2/32	12½	311,850
5/24	5365	10.4	36	11	12.8	2/32	12½	336,700
5/25	5513	10.5	33	11	14.3	2/32	13	313,500
5/26	5602	10.4	31	11	14.8	2/32	13	313,500
5/27	5660	10.5	34	11.5	9.8	2/32	13	326,700
5/28	5871	10.4	37	11.5	14.8	2/32	12½	326,700
5/29	5931	10.5	36	11.5	11.8	3/32	13	305,250
5/30	5958	10.4	33	10	20	3/32	13	305,250
5/31	6016	10.4	37	11.5	13.8	2/32	13	317,000
6/2	6122	10.4	35	11.5	13.6	2/32	13½	326,700
6/3	6400	10.4	35	11.5	19.8	2/32	12½	310,200
6/4	6677	10.4	38	12	10.4	2/32	12½	313,500
6/5	6785	10.2	37	11.5	16.3	2/32	12	297,000
6/7	6935	10.3	38	12	16	2/32	12	300,300
6/9	7102	10.4	38	12	11.2	2/32	12	300,300
6/10	7376	10.4	37	12	10.8	2/32	12	300,300
6/11	7375	10.6	37	9	4.2	2/32	14½	265,650
6/12	7567	10.8	37	11.5	5.2	1/32	16	297,000
6/13	7706	11.1	38	12.5	26.4	3/32	17	315,750
6/14	8103	11.1	46	12	8.2	3/32	17½	330,000
6/15	8150	11.3	45	10.5	17.3	3/32	18½	317,800
6/16	8276	11.4	45	11	45.1	2/32	18½	330,000
6/16	8490	11.3	42	10.5	?	2/32	18½	326,100
6/17	8700	11.5	44	11.5	?	3/32	19½	313,500
6/18	8790	11.6	72	10.5	9.7	2/32	19	297,000
6/19	8864	11.3	55	11	9	2/32	18	297,000
6/20	8897	12	74	11	13	2/32	20	310,200
6/21	8918	11.5	45	12.5	17.8	2/32	18½	321,750
6/22	8932	11.3	58	12	8.4	2/32	16½	297,000
6/23	8964	11.3	54	12	7.0	2	18	303,600
6/24	9030	10.8	40	11	12.1	2	16	316,800
6/25	9090	11.1	45	12	11.2	2	17½	305,250
6/26	9130	11	40	12.5	7.1	2	17	330,000
6/27	9192	10.9	54	12	5.1	2	16½	297,000
6/28	9256	11	45	12	5.2	2	17½	306,900
6/29	9357	11	45	12	4.6	2	17½	297,000
6/29	9400	11.1	47	12.5	4.2	2	18	306,900
6/30	9404	11.1	50	12.5	4.2	2	18	306,900
7/2	9468	10.8	38	11	7.0	2	16	330,000
7/3	9510	11	42	12.5	6.1	2	17½	297,000

8830-40 (Lower Hermosa) Ls, wh- lt. gray, soft gummy - fn. x ln. & soft, clean to argill, with gry. soft shale laminae. 80%
Sh, med. gry.-tan, med. hd, v. calc. to fn. x ln. buff Ls. blky. to platy 20%. Trc. salt.

8840-50 Sh, med. gry,-tan and buff, med. hd. - soft, blocky to platy v. calc, few chalky ls. lam., Trc. Ls. Sab.

8850-60 Sh, Sab

8860-70 Sh, Sab, inc. in Ls, soft gummy as above

8870-80 Sh, sab 90%
Sh, sab 10%

8880-90 Sh, med. gry-tan, soft, blocky, v. calc, w/Ls. inclusions 60%
Ls, sab 40%

8890-8900 Sh, med. gry, hard dense, platy, vs. calc, few calcite filled fractures. Trc. Ls, tan, hd. dense, argill. lam., blocky.

8900-10 Sh, med. gry, soft, fiss-blocky, sli. calc, trc. coal, blk, soft, blocky. Trc. Ls, tan, hd, dense, argill.

8910-20 Ls, Lt. gry, soft, chalky - v. argill., becomes gummy when wet. Ls, med. gry, hd, dense to fn. xln, argill. Trc. Sh sab. Trc. Ls, brn, fn xln, friable, gd. per, sli. stain.

8920-30 Sh, med. gry, soft, platy, v. calc, Trc. pyrite, Trc. Ls, wh, soft, chalky, argill. Trc. Ls, brn, hd, dense.

8930-40 Sh, sab, Trc. pyrite, Trc. Ls, Sab.

8940-50 Ls, Lt, gry - med. gry, hd, dense to fn. xln, no por or perm sli, argill. Few calcite filled fractures, some brn. sil. stain. Trc. Sh, sab.

8950-60 Ls, Lt. gry-tan, dense-fn. x ln, hd, w/trc. dk Ls inclusion, low - 5% xln. por. trc. stain. Trc. Ls, lt. gry, soft, gummy, argill., Trc. Sh, sab.

8960-70 (Molose) Sh, grn. gry, soft, blocky, non-calc., 50% Ls, tan-brn-med gry, hard, dense to trc. pinpoint por. w/oil stain, Trc. Ls, wh-lt. gry, soft, gummy, argill.

8970-80 Sh sab, Ls sab

8980-90 Sh, sab, Ls sab

8990-9000 Ls, dk. brn - med. gry, v. hd, dense, dolomitic to Ls, Lt. gry, hard, fn-med. xlr. some vein calcite. Trc. Sh, grn, gry, soft blocky.

9000-10 Ls, Lt. gry-tan, hd, dense, to fn. xln, sli. argill, Ls med. gry-dk. brn hd, dense to v. fn. xln, trc. pinpoint por Ls., buff, hd., fn. xln. Sh, grn. gry, soft, blocky 10%. Trc. Sh, blk, carb.

9010-20 Ls, wh- lt. gry to trc. buff, med. hd-soft, fn. xln, low inter. xln por, trc. Ls, med. gry sab. Trc. Sh sab.

9020-30 Ls, lt. gry - lt. grn. gry, hd.-med. soft, fn. xln. to dense, pyritic, 80%. Sh, grn. gry, soft, blocky 20%

9030-40 Ls, sab, 80% Sh, sab 20% Trc. pyrite

9040-50 Ls, Lt. gry-grn. gry - buff, hd., dense - fn. xln, argill, trc. pinpoint vugular porosity w/oil stain. 90%. Sh, sab 10%

9050-55 Ls, wh - lt. gry to mottled lt. gry & med. gry, med. hd.-soft dense to fn. xln, some gummy, no p-p. Anhym buff, soft, dense, rdd pellets.

9055-60 Ls, lt. gry-wh, fn. xln - dense, hd, tite several pieces of pellet & lump Ls, well cemented w/trc. dead oil stain.

9060-70 Ls, lt. gry - wh, sab w/Ls. med. gry, fn. xln, hd, dense, argill w/Ls, lt. gry, coarse grn. lumps. Trc. Sh. grn. gry, blocky, soft, sli. calc.

9070-80 Ls, med. gry, hd, dense, fossiliforens, v. argill, w/Ls. sab.

9080-90 Poor sample

9090-9100 Ls, md. gry, hd, dense - fn. xln, pinpoint vugular porosity trace crinoid sten, sli. argill. Trc. sh, blk, carb. Trc. Ls, dk. gry, lump - pelletal, dense.

9100-10 Ls, wh, soft, chalky to Ls, lt. gry, hd, fn. xln, no p-p.

9110-20 Ls, lt. gry. tan, hd, dense - fn. xln, streaks blk. argill. material. Trc. Sh,, black, hd, fissile.

9120-30 Ls, sab, Trc. Sh. black sab, Trc. pyrite

9130-40 Ls, Lt. gry, hd, dense - fn. xln, few streaks med. gry. argill. material. Ls, wh, soft, chalky, no evidense of fossil debris. No porosity.

9140-50 Ls, wh, soft, chalky, disintegrates when wet. 80% LS, lt. gry. hd, dense as above 20%. No porosity.

9150-60 Ls, wh, soft, chalky w/med. gry. argill. streaks 50% Ls lt. gry, hd, dense - fn. xln,, few fractures with calcite fill. No porosity.

9160-70 Ls, Lt. gry - Lt. grn. gry, hd, fn. xln, sli. argill, few calcite filled fractures, no p-p. Ls, wh, soft, chalky.

9170-80 Ls, lt. gry, hd, dense - fn. xln, trc. pellet inclusion, trc. blk. argill. inclusion. 80%. Ls, wh. - lt. gry. - pink, soft, chalky few argill. inclusion. 20%. No p-p.

9180-90 Ls, lt. gry, lt. grn. gry. hd. fn. xln, occasional pellet inclusion 50%.
Ls, wh-pink, soft, gummy, sli. argill. sab 50%. No p-p.

9190-9200 Ls, wh-lt. gry, soft, chalky, argill. streaks, dk. gry.

9200-10 Ls, wh-lt. grn. gry.-pink, soft, fine interbeds of dk. gry. argill. material 90% trc. Sh., blk, calc. fissile.
Ls, lt. gry, hd, fn. xln, no p-p. 10%.

9210-20 Ls, lt. gry, soft, mottled w/dk. gry, argill material. trc. Sh, dk. gry, soft, blocky, calc.

9220-30 Ls, wh-pink, soft, sli. argill, chalky w/ some Ls, lt. grn. gry., hd, fn. xln. Trc. Sh, blk, fiss. blocky.

9230-40 Sh, med. gry, hd. fiss, v. calc., in part mottled with wh. calc. material.
Ls, Lt. gry-grn. gry, hd, dense-fn xln. No p-p.

9240-50 Dolomite, lt. gry, v. hd, v. fn. xln, tite, few argill. streaks, no p-p.

9250-60 Dolomite, sab, increase in argill material 80% low p-p.
Ls, wh-pink, soft, argill.

9260-70 Dolomite, lt. gry - med., v. hd., fn-md. xln, v. argill. Trc. Ls, lt. gry, soft, chalky.

9270-80 Dolomite, sab, Trc. Sh, med. gry, hd. blocky, v. calc.

9280-90 Ls, lt. grn. gry, hd, dense - fn. xln, Trc. Dolo, med. gry, hd. dense - fn. xln, low p-p. Trc. Ls, wh-lt. gry, soft,chalky, v. argill.

9290-9300 Ls, wh-med. gry. mottled, hd-soft, v. argill, pinpoint vugular porosity.
Dolo, med. gry, hd., fn. xln, pinpoint vugular porosity some with calcite fill, sli. oil stain in vugs.

9300-10 Dolo, lt. gry, hd. fn. xln, clean, low p-p, trc. Ls, sab.

9310-20 Ls, wh-lt. gry, soft, argill., chalky - fn. xln.

9320-30 Ls, sab

9330-40 Ls, lt. gry - lt. grn. gry, hd, fn. xln, few argill inclusions fractured w/ v. light stn. on fractures, low porosity. Trc. Ls,wh-pink, soft, chalky.

9340-50 Dolo, med. gry, med. hard, fn. xln, friable, gd. por est. 12 percent, lt. oil stain, trc. Dolo, med. gry, hd. dense fractured.

9350-60 Dolo, med. gry. with some lt. gry, v. hd, fn. xln. - dense,

argill, trc. pinpoint vugular porosity w/light oil stain, inter xln, porosity est. 6-8 percent.

9360-70 Dolo, sab

9370-80 Dolo, sab

9380-90 Dolo, sab 50%, Ls, lt. gry, soft, mottled w/med. gry, argill material.

9390-9400 Dolo, sab

9400-10 Dolo, sab

9410-20 Dolo, med. gry - gry, brn, hd, fn. xln, fair por, trc. pinpoint vugular porosity, est. 12% porosity, lt. oil stain, Trc. Ls. lt. gray, fn. xln, pelletal, tight.

9420-30 Dolo, lt. gry - some med. gry, hd, dense - fn. xln, low porosity. 70%, Ls, lt. gry, fn. xln, hd. dolomitic, tight, 30%

9430-40 Dolo-LS, lt. gry, hd. fn. xln, tight w/trc. pinpoint vugular porosity, sli. oil stain in vugular pores. 50-50 Ls. & Dolo.

9440-50 Dolo, lt. gry w/some med. gry, hd., fn. xln, low porosity w/ Trc. pinpoint vugular porosity.

* 9450-60 Dolo, sab 90% w/Sh, blue, soft, blocky, sli. calc. 10%

9460-70 Ls, lt. gry, hd, dense, fn. xln, sli. dolo, non. foss., sli. argill., 90% Sh, blue, soft, black, calc.

9470-80 Ls, lt. gry, hd., fn.xln, clean - sli. argill, low porosity to some pinpoint vugular porosity. Black dead oil stain.

9480-90 Ls, sab with abundant black dead oil stain with Ls, pink, soft, fn. xln. Trc. Sh, blk, hd. blocky, sli calc.

9490-9500 Ls, lt. grn. gry, hd. fn. xln, clean, black dead oil stain 70% Ls, pink, soft, fn. xln. 30%.

9500-10 Ls, lt. grn. gry, sab, with abundant black dead oil stain 60% Ls, pink, sab 40%

DISCUSSION

The Cordillera No. 1 Spiller Canyon was a reentry into the Pure Oil No. 1 Spiller Canyon test which was completed as a dry hole in April 1962. The original Pure test was intended to be a field development well to further evaluate the gas accumulation discovered in November 1961 by the Pubco (Mesa) 2-21-F Federal well located in the Northwest Quarter of Section 21-T30S-R25E.

During the drilling of the Pure test, the hole was permitted to deviate over 700 feet northeast of the surface location which resulted in the hole penetrating a 230' reverse fault in the Lower Hermosa formation. The additional section forced the Leadville porosity into a low structural position and the porosity was water bearing with slight gas shows.

Cordillera obtained permission from the State of Utah to reenter the Pure hole with the intention of directionally drilling the lower portion of the hole so that the location at total depth would be close to the surface location. Available data indicated the new hole would be south of the fault penetrated in the original hole and would encounter the Leadville gas bearing section at a structurally high position relative to the Pubco (Mesa) well.

The Leadville formation was encountered structurally as anticipated and the entire porous section is gas bearing. (See DST No. 1).

The Sonic and Compensated Neutron logs measured porosities ranging from 8 to 11 percent with approximately 92 feet of net effective pay.

Casing has been run, and the well is currently ready for completion.

Lionel Brenneman

DRILLSTEM TESTS

Engineer - Cliff Richards - Johnston Testers
Vernal, Utah

DST No. 1 9259-9404 (143')

Times: Initial Open 30", Initial Shutin 30"
Final Open 60", Final Shutin 120"

		Top Chart	Bottom Chart
Pressures: @ 9264'	Initial Hydrostatic:	5398	
	Final Hydrostatic:	5398	
	Initial Open:	869-933	
	Initial Shutin:	2782	
	Final Open:	971-1060	
	Final Shutin:	2782	

MFE Chamber: Recovered 4.5 cu. gas @ 1000 PSI
175 cc fluid. chlorides 200,000.
Rw. .08, Fil. Rw. .05 @ 70°

Temperature: 148° F.

Pipe Recovery: Reversed out due to high concentration of H_2S gas. Measured greater than 2000 ppm H_2S.

Remarks: Gas to surface 47 minutes, 1½" blow in 5 gal. bucket increase to bottom in 5 minutes, increase to 28# in 10 minutes. 2nd flow reopen @ 28# immediately, decrease to 8# produced water cushion and then increased to 60# - 480 mcfgpd held steady.

LOG ANALYSIS
Sonic - Compensated Neutron Cross Plot

Cordillera Corporation
#1 Spiller Canyon State
SWSW Section 16-30S-25E
San Juan County, Utah
Little Valley Field

Depth (Sonic)	Sonic Travel Time	Porosity CNL	Lithology	Gas Effect	Rw	Rt	% Porosity	% Water Saturation	Remarks
8994 - 9013	48	6 - 8	Dol		0.067	1000	3	27	
9034 - 48	50	2 1/2 - 3	Lm			400/1000	2	--	
9048 - 52	60	7	Lm	*		500	8 1/2	14	Gas
9052 - 68	48	0	Lm			----	0		
9068 - 71	51	7	Lmy Dol			50	3 1/2	--	Gas
9071 - 85	48	0	Lm			----	0	--	
9085 - 90	51	8 1/2	Lmy Dol			150	4	53	
9090 - 98	56	17	Dol	*		120	9	26	* Gas
9098 - 9104	50	6 1/2	Lmy Dol			200	3	61	
9104 - 9243	48	1/2	Lm			1000 +	0 - 1/2	--	
9243 - 53	50	4 1/2	Dol Lm			800	2 1/2	--	
9253 - 58	55	13	Dol	*		700	7	14	Gas

LOG ANALYSIS
Sonic - Compensated Neutron Cross Plot

Cordillera Corporation
#1 Spiller Canyon State
SWSW Section 16-30S-25E
San Juan County, Utah
Little Valley Field

Depth (Sonic)	Sonic Travel Time	Porosity CNL	Lithology	Gas Effect	Rw	Rt	% Porosity	% Water Saturation	Remarks
9258 - 64	47 1/2	3	Lm & Dol		0.067	---	1	--	
9264 - 84	52 1/2	7 1/2	Lmy Dol	*		750/1000	5	18	Gas
9284 - 94	55	8 - 12	Lmy Dol			1000/800	6 - 8 1/2	11	Gas
9294 - 9306	51	1	Anhy & Lm			1000 +	1	--	
9306 - 14	51 1/2	4 1/2	Lm	*		700	3	33	Gas
9314 - 22	52 1/2	7 1/2	Dol Lm	*		700	4 1/2	22	Gas
9322 - 30	50	3 1/2	Dol Lm			1000	2	--	
9330 - 40	48	1/2	Lm			----	0	--	
9340 - 50	48 1/2	4	Lm & Dol			1000	2	--	
9350 - 60	49	5 1/2	Lmy Dol			700	2 1/2	--	
9360 - 72	52	10	Dol	*		200	5	37	Gas
9372 - 80	47	2 1/2	Dol & Lm			1000/2000	1/2	--	

LOG ANALYSIS
Sonic - Compensated Neutron Cross Plot

Cordillera Corporation
#1 Spiller Canyon State
SWSW Section 16-30S-25E
San Juan County, Utah
Little Valley Field

Depth (Sonic)	Sonic Travel Time	Porosity CNL	Lithology	Gas Effect	Rw	Rt	% Porosity	% Water Saturation	Remarks
9330 - 83	52	10	Dol	*	0.057	800	5	18	Gas
9383 - 89	47	4	Lm & Dol			2000	1	--	
9339 - 94	52 1/2	12 1/2	Dol	*		700	6	16	Gas
9394 - 9403	48	4 1/2	Dol Lm			2000	2		
9403 - 15	51	11 1/2	Dol	*		1100	5	16	Gas
9415 - 21	49	9	Dol	*		2000	3 1/2	17	Gas
9421 - 46	46 1/2	3 1/2	Lmy Dol			2000	1		
9446 - 49	50	6	Dol & Lm			180	3	64	Probable Water
9449 - 75	48	1/2	Lm			2000+	0	--	
9475 - 82	51 1/2	6	Dol Lm			350	3 1/2	40	Probable Water
9482 - 94	48	2 1/2	Lm			1000	1	--	

JOHNSTON

PRESSURE LOG*

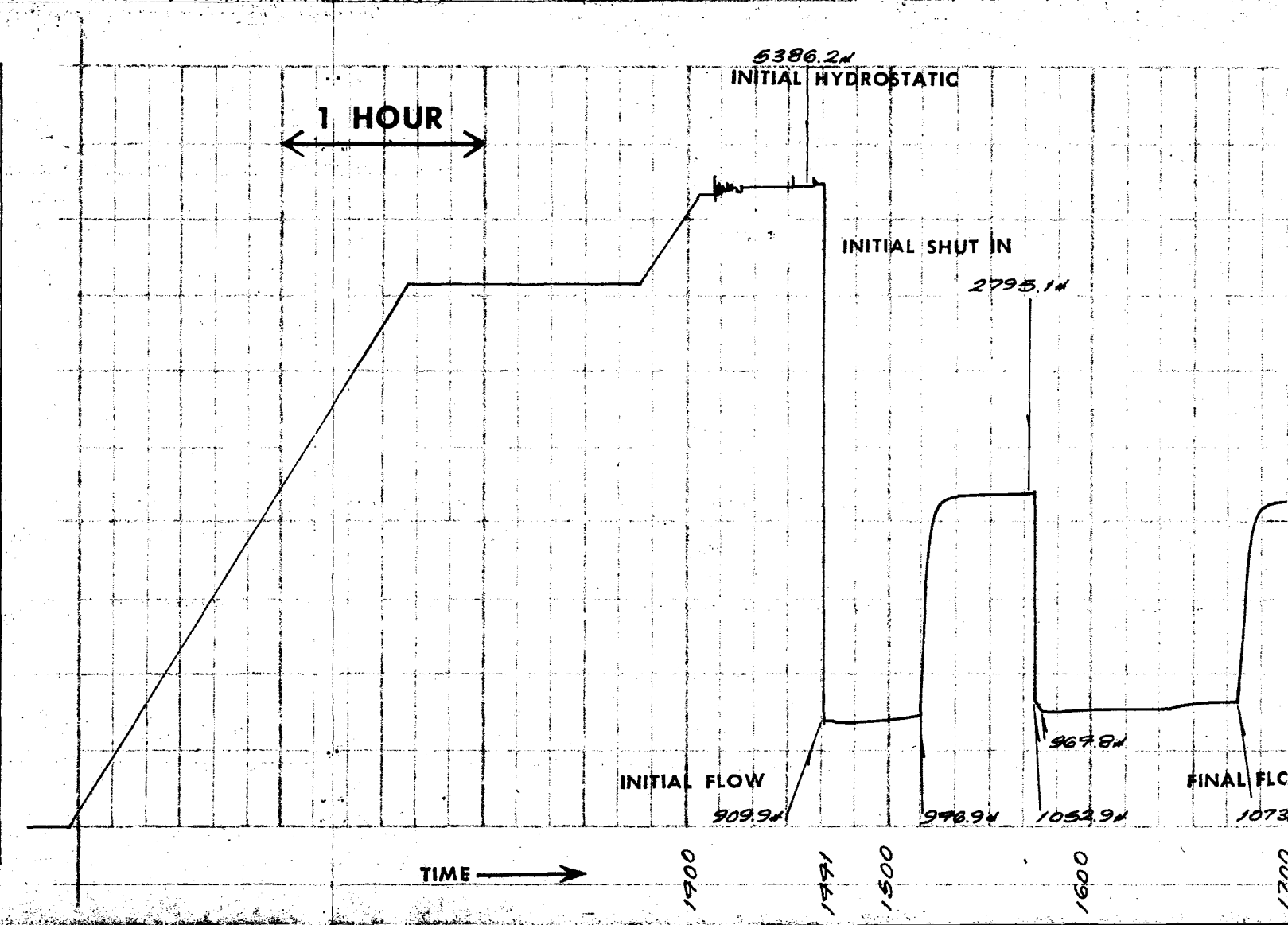
Field Report No. 09725 D

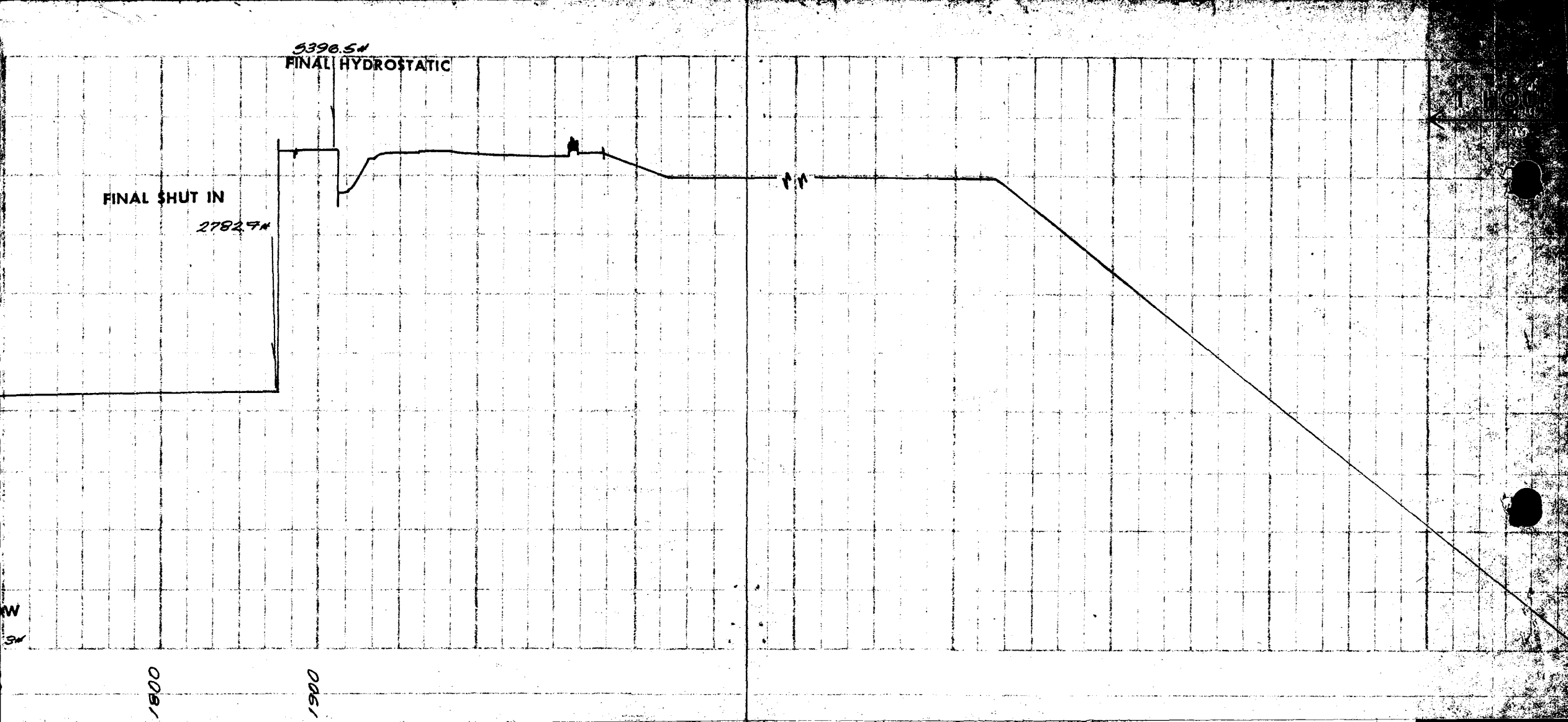
Instrument:
Number J-303

Capacity 6700 p.s.i.

Depth 9269 ft.

*a continuous tracing of the original chart

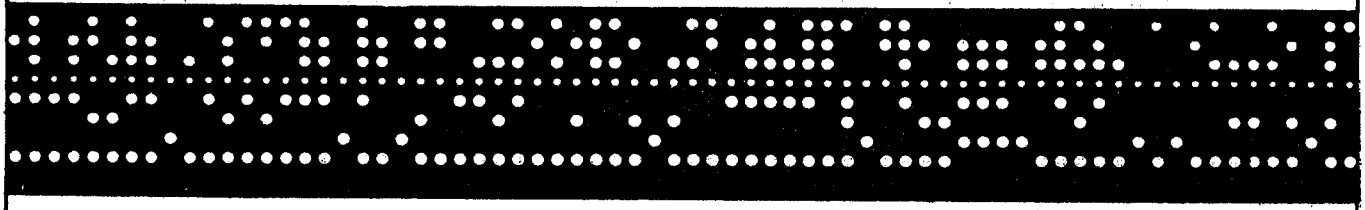



5396.5#
FINAL HYDROSTATIC
FINAL SHUT IN
2782.7#
1 HOUR
1800
1960

JOHNSTON

Schlumberger

computerized data analysis



COMPANY CORDILLERA CORPORATION WELL SPILLER CANYON #1 TEST NO. 1 COUNTY SAN JUAN STATE UTAH

F.R.# 09725 D

JOHNSTON
Schlumberger

COMPUTERIZED DATA ANALYSIS

JULY 10, 1978

GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION PRODUCED ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT AND ADEQUATE SHUT-IN BUILD-UPS DID OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS. RESERVOIR PARAMETERS WERE CALCULATED BY THE HORNER METHOD.

1. FLOW RATE: AN ESTIMATED FLOW RATE OF 400 MCF/DAY OF GAS WAS NOTED DURING THIS TEST.

2. RESERVOIR PRESSURE: EXTRAPOLATION OF THE INITIAL AND FINAL SHUT-IN PRESSURE BUILD-UPS INDICATES A MAXIMUM RESERVOIR PRESSURE OF 2806 P.S.I.G. AT RECORDER DEPTH.

3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF 1953 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO GAS OF 0.22 MD. FOR THE REPORTED 145 FOOT TEST INTERVAL. THE CALCULATIONS WERE BASED ON A SLOPE OF 47 P.S.I./LOG CYCLE OBTAINED FROM THE FINAL SHUT-IN BUILD-UP PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS: (A) GAS GRAVITY 0.70 (B) VISCOSITY 0.016 CP. (C) AND GAS DEVIATION FACTOR 0.90. THESE FIGURES WERE OBTAINED FROM THE AVAILABLE TECHNICAL LITERATURE.

4. WELL BORE DAMAGE: THE CALCULATED DAMAGE RATIO OF 10.33 INDICATES THAT MAJOR WELL BORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. THIS VALUE INFERS THAT THE RATE OF PRODUCTION OBSERVED AT THE FORMATION FACE DURING THIS TEST MAY BE INCREASED 10.33 TIMES IF THE WELL BORE DAMAGE ALONE WERE REMOVED.

5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 22 FEET BASED ON AN ASSUMED POROSITY OF 8%, COMPRESSIBILITY OF 5.5×10^{-4}, AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.

6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY LOW PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE PRESENCE OF WELL BORE DAMAGE. AN ANOMALY WAS NOTED AT A DISTANCE OF 8 FEET FROM THE WELL BORE. WITH THE 2 TO 1 RATIO OF SLOPES, IT IS BELIEVED TO BE CAUSED BY A FAULT.

Kent Arceneaux

KENT ARCENEAUX
RESERVOIR EVALUATION
DEPARTMENT

CORDILLERA CORPORATION
SPILLER CANYON #1; SAN JUAN COUNTY, UTAH
TEST #1; 9259' TO 9404'
LOCATION SEC. 16 - T30S - R25E

F.R.# 09725 D

Gas Reservoir Engineering Data

JOHNSTON

Instrument No. J-303

Field Report No. ~~09725-D~~

Damage Ratio	DR	10.33		Effective Transmissibility GAS	Kh/μ	1953	Md-ft./Cp.
Maximum Reservoir Pressure INITIAL SHUT-IN	P_o	2806	P.S.I.G.	Flow Rate ESTIMATED GAS	Q_g	400	MCF/day
Slope of Shut-in Curve FINAL SHUT-IN	M_{g1}	47	PSI/log cycle	Flow Rate	Q	-	
Potentiometric Surface (Datum Plane, Sea Level)	PS	4066	ft.	Pressure Gradient		0.303	PSI/ft.
Radius of Investigation		22	ft.	K (Effective to GAS)		0.22	Md.

SLOPE M_{G1} = 2788 - 2741 = 47

SLOPE M_{G2} = 2806 - 2701 = 96

Assumptions made for Calculations for Gas Recoveries

1. Q_g is taken as steady state flow and unless stated otherwise at standard conditions 14.7 P.S.I. and 60°F.
2. P_f is final formation flowing pressure at steady state flow.
3. Formation flow is taken as single phase flow. If liquid (condensate) is produced at surface, condensation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. Unless given, gas specific gravity is assumed to be 0.7 (air 1.0) and having pseudo critical temperature at 385° Rankin and pseudo critical pressure of 666 P.S.I.A.
6. Other standard radial flow, steady state assumptions.

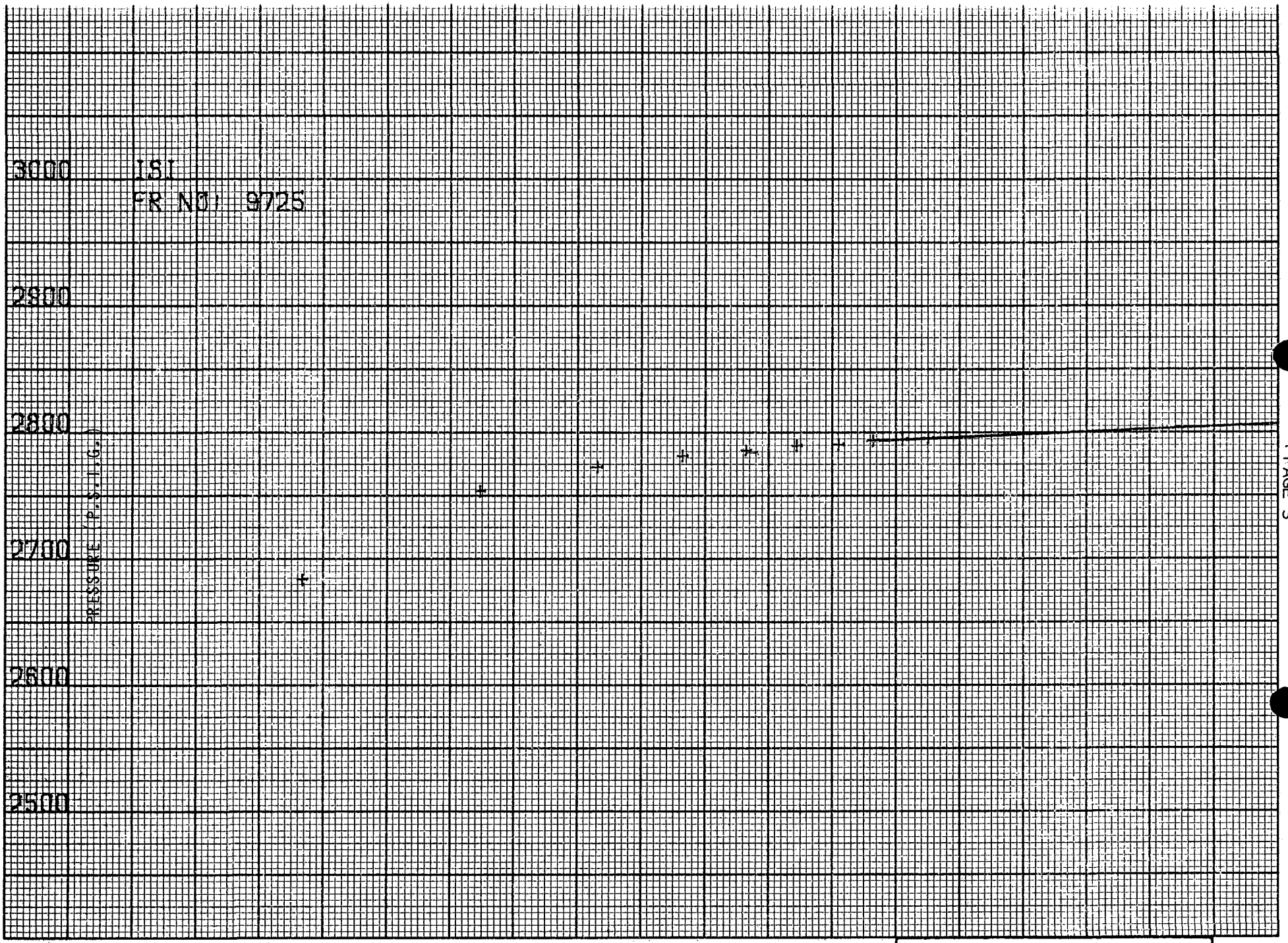
Empirical Equations:

1. $EDR = \dfrac{P_o^2 - P_f^2}{M_g(\log T + 2.65)}$ where $M_g = \dfrac{P_i^2 - P_{10}^2}{\text{Log Cycle}}$

2. Transmissibility $\dfrac{Kh}{\mu Z} = \dfrac{1637^\circ T_f Q_g}{M_g}$

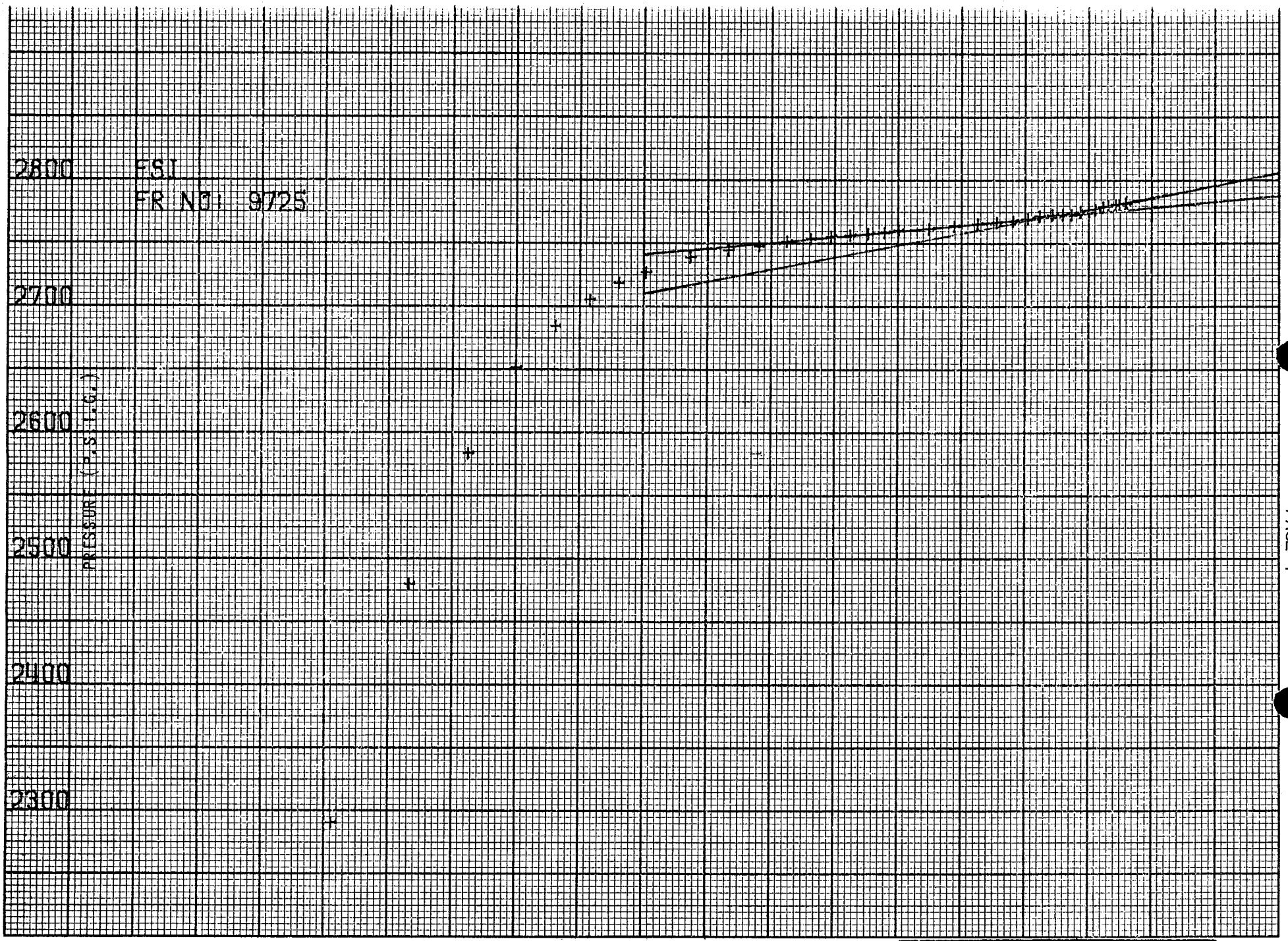
3. P.S. = $\left[P_o \times 2.309 \text{ ft./PSI}\right] - \left[\text{Recorder depth to sea level.}\right]$

4. Radius of Investigation, $r_i = \sqrt{\dfrac{Kt}{40\phi\,(1 - S_w)\mu c}}$ where t = time in days



PAGE 3

JOHNSTON COMPUTERIZED PLOT



PAGE 4

PAGE 4

JOHNSTON COMPUTERIZED PLOT

JOHNSTON
Schlumberger

SURFACE INFORMATION

Description (Rate of Flow)	Time	Pressure (P.S.I.G.)	Surface Choke
Opened Tool	1441	-	1/8"
BLOW, 1 1/2" IN WATER			
BLOW OFF BOTTOM OF BUCKET	1446	-	"
CLOSED FOR INITIAL SHUT-IN	1509	28	"
GAS TO SURFACE 160 MCF/DAY	1527	10	1/2"
FINISHED SHUT-IN	1544	-	"
OPENED TO PIT			
RE-OPENED TOOL	1545	20	"
GAS 220 MCF/DAY			
GAS 275 MCF/DAY	1555	28	"
GAS 175 MCF/DAY	1610	11	"
FLUID TO SURFACE, GAS 480 MCF/DAY	1620	60	"
GAS 360 MCF/DAY	1621	40	"
GAS 450 MCF/DAY	1628	55	"
GAS 400 MCF/DAY	1645	48	"
CLOSED FOR FINAL SHUT-IN	1645	48	"
PULLED PACKER LOOSE	1845	-	-
STARTED REVERSING	1900	-	-
FINISHED REVERSING	2100	-	-

Cushion Type	Amount	Pressure	Bottom Choke
FRESH WATER	2,000'		Size 15/16"

MUD DATA

Mud Type SALT SATURATED Wt. 11.1
Viscosity 50 Water Loss 4.2 C.C.
Resist. of Mud .1 @ 60 °F; of Filtrate .05 @ 60 °F
Chloride Content 200,000 PPM

EQUIPMENT & HOLE DATA

Type Test M.F.E. OPEN HOLE
Formation Tested MISSISSIPPI
Elevation 6847 G.R. Ft.
Net Productive Interval 145 Ft.
Estimated Porosity 8 %
All Depths Measured From KELLY BUSHING
Total Depth 9404 Ft.
Main Hole/Casing Size 6 1/2"
Rat Hole/Liner Size -
Drill Collar Length 639' I.D. 2.00"
Drill Pipe Length 8583' I.D. 2.76"
Packer Depth(s) 9255 & 9259 Ft.

MULTI-FLOW EVALUATOR FLUID SAMPLE DATA

Sampler Pressure 1000 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas 4.5
cc. Oil -
cc. Water -
cc. Mud 175
Tot. Liquid cc. 175
Gravity - °API @ - °F.
Gas/Oil Ratio - cu. ft./bbl.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	- @ - °F.		- ppm
Recovery Mud	.08 @ 85 °F.		
Recovery Mud Filtrate	.05 @ 70 °F.		200,000 ppm
Mud Pit Sample	.1 @ 60 °F.		
Mud Pit Sample Filtrate	.05 @ 60 °F.		200,000 ppm

RECOVERY DESCRIPTION	FEET	BARRELS	% OIL	% WATER	% OTHERS	API GRAVITY	RESISTIVITY	CHL. PPM
FRESH WATER CUSHION	2,000	12.56				@ °F.	4. @ 60 °F.	800
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	
						@ °F.	@ °F.	

Remarks:

Address 2334 EAST 3RD. AVENUE; DENVER COLORADO 80206

Company CORDILLERA CORPORATION Field -
Well SPILLER CANYON #1 Location SEC. 16 - T30S RANGE 25E
Test Interval 9259' TO 9404' Test # 1 Date 6-30-78

County SAN JUAN State UTAH
Technician RICHARDS (VERNAL) Test Approved By MR. JOHN REID

Field Report No. 09725 D
No. Reports Requested 15

JOHNSTON
Schlumberger

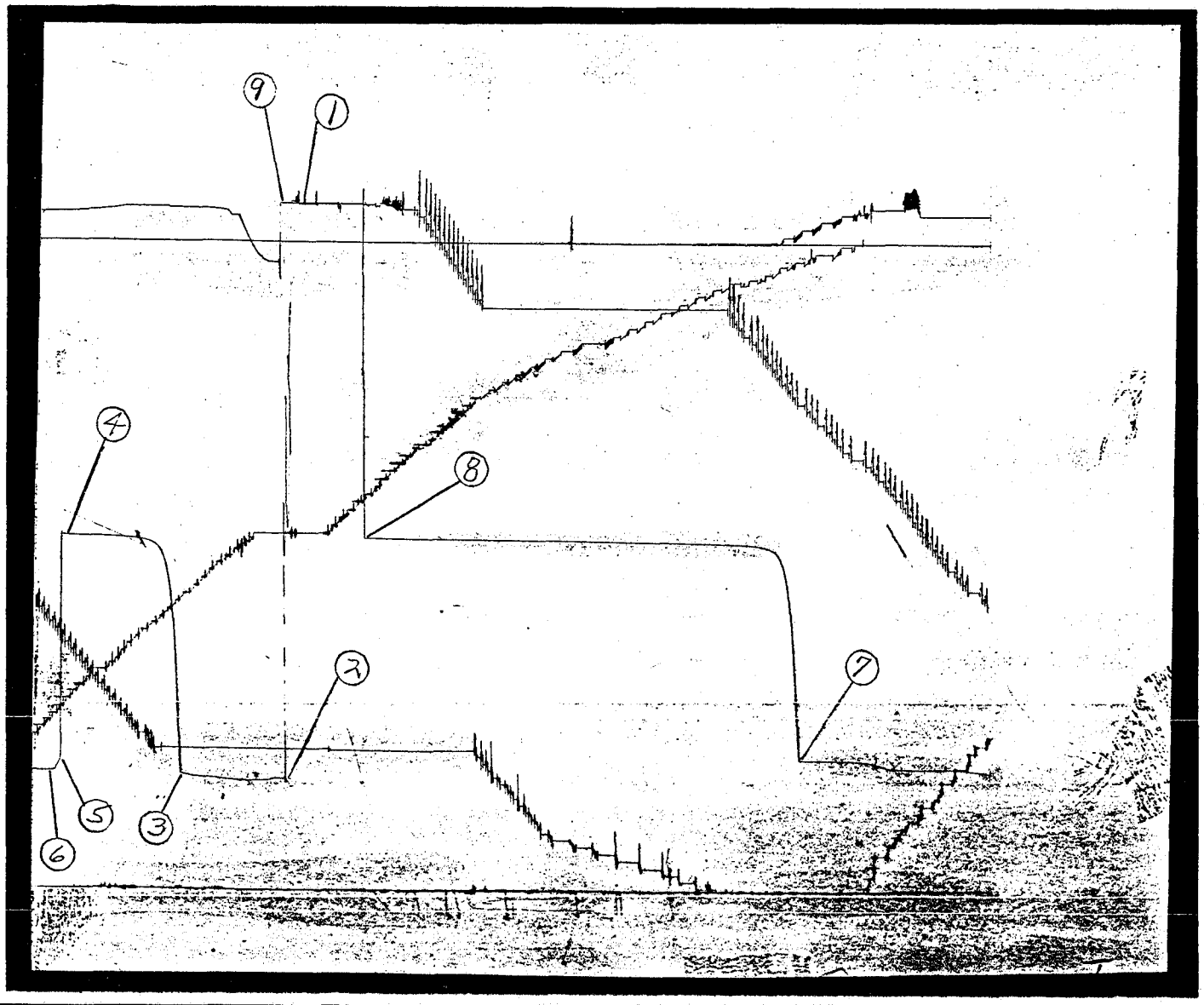
FIELD REPORT NO.: 09725 D

INSTRUMENT NO.: J-303

CAPACITY: 6400#

NO. OF REPORTS: 15-

PRESSURE DATA FROM THIS CHART IS PRESENTED ON NEXT PAGE



BOTTOM HOLE PRESSURE AND TIME DATA

JOHNSTON Schlumberger

INSTRUMENT NO.: J-303 CAPACITY(P.S.I.): 6400 DEPTH: 9264 FT.

PORT OPENING: INSIDE BOTTOM HOLE TEMP.: 148

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	5386.2		
INITIAL FLOW(1)	2	909.9		
INITIAL FLOW(2)	3	946.9	28	29
INITIAL SHUT-IN	4	2795.1	35	33
FINAL FLOW(1)	5	1052.9		
FINAL FLOW(2)	7	1073.3	60	60
FINAL SHUT-IN	8	2782.4	120	121
FINAL HYDROSTATIC MUD	9	5396.5		

INCREMENTAL READINGS

LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
1		5386.2				HYDROSTATIC MUD
2	0	909.9				INITIAL FLOW(1)
	5	898.4				
	10	894.6				
	15	901.0				
	20	913.7				
	25	926.5				
3	29	946.9				INITIAL FLOW(2)
3	0	946.9				STARTED SHUT-IN
	3	2330.5	10.667	1.028	1383.6	
	6	2682.8	5.833	0.766	1735.9	
	9	2753.0	4.222	0.626	1806.1	
	12	2772.2	3.417	0.534	1825.3	
	15	2781.1	2.933	0.467	1834.2	
	18	2784.9	2.611	0.417	1838.0	
	21	2788.8	2.381	0.377	1841.8	
	24	2790.0	2.208	0.344	1843.1	
	27	2792.6	2.074	0.317	1845.7	
	30	2793.9	1.967	0.294	1847.0	
4	33	2795.1	1.879	0.274	1848.2	INITIAL SHUT-IN
5	0	1052.9				FINAL FLOW(1)
6	3	964.8				FLOW POINT
	5	964.8				
	10	986.5				
	15	1001.8				
	20	1006.9				
	25	1005.6				
	30	1005.6				
	35	1008.2				
	40	1051.6				
	45	1068.2				
	50	1073.3				
	55	1073.3				
7	60	1073.3				FINAL FLOW(2)
7	0	1073.3				STARTED SHUT-IN

LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
	1	1491.9	90.000	1.954	418.7	
	2	1979.5	45.500	1.658	906.2	
	3	2289.7	30.667	1.487	1216.4	
	4	2478.6	23.250	1.366	1405.3	
	5	2583.3	18.800	1.274	1510.0	
	6	2650.9	15.833	1.200	1577.6	
	7	2684.1	13.714	1.137	1610.8	
	8	2704.5	12.125	1.084	1631.2	
	9	2718.6	10.889	1.037	1645.3	
	10	2727.5	9.900	0.996	1654.2	
	12	2739.0	8.417	0.925	1665.7	
	14	2745.4	7.357	0.867	1672.1	
	16	2747.9	6.562	0.817	1674.6	
	18	2751.7	5.944	0.774	1678.5	
	20	2754.3	5.450	0.736	1681.0	
	22	2755.6	5.045	0.703	1682.3	
	24	2756.9	4.708	0.673	1683.6	
	26	2758.1	4.423	0.646	1684.8	
	28	2759.4	4.179	0.621	1686.1	
	30	2760.7	3.967	0.598	1687.4	
	35	2762.0	3.543	0.549	1688.7	
	40	2764.5	3.225	0.509	1691.2	
	45	2765.8	2.978	0.474	1692.5	
	50	2767.1	2.780	0.444	1693.8	
	55	2768.3	2.618	0.418	1695.1	
	60	2769.6	2.483	0.395	1696.3	
	65	2772.2	2.369	0.375	1698.9	
	70	2773.4	2.271	0.356	1700.2	
	75	2773.4	2.187	0.340	1700.2	
	80	2773.4	2.113	0.325	1700.2	
	85	2774.7	2.047	0.311	1701.4	
	90	2776.0	1.989	0.299	1702.7	
	95	2777.3	1.937	0.287	1704.0	
	100	2778.6	1.890	0.276	1705.3	
	105	2779.8	1.848	0.267	1706.5	
	110	2781.1	1.809	0.257	1707.8	
	115	2781.1	1.774	0.249	1707.8	
	120	2782.4	1.742	0.241	1709.1	
8	121	2782.4	1.736	0.239	1709.1	FINAL SHUT-IN
9		5396.5				HYDROSTATIC MUD

SHEPLER & THOMAS, INC.
OIL & GAS CONSULTANTS

P. O. Box 2164 Evergreen, Colorado 80439 303/674-3503

August 1, 1978

Cordillera Corporation
2334 East Third Avenue
Denver, Colorado 80206

Gentlemen:

A preliminary analysis of the drill stem test data and bottom hole pressure data available from the two wells in the Little Valley Field has been made.

The data available includes the drill stem from Cordillera's Spiller Canyon State Well No. 1, four drill stem tests from Pubco's (now Mesa) Lisbon Federal Well 2-21F, and a 72-hour build-up test in Mesa's well which was taken in January, 1978.

The extrapolation of the drill stem test build-up data shows that the original bottom hole pressure (even when corrected to the same datum) varies with the zone being tested. The pressure difference was 171 psi with the higher pressures being at the shallower depth.

Since the Mississippian formation pressure in the Little Valley Field is below the normal expected pressure gradient, the difference in original pressure in the zones tested suggests that it would be very difficult to determine if a new well had original pressure or had been affected by offset production. Based upon the drill stem data, the original reservoir pressures in the Mesa well are as follows:

Zone Tested	Mid-point	Reservoir Pressure - psi	Pressure at Depth of 9200 feet - psi
9268'-9313'	9290.5'	3155	3148
9313'-9356'	9334.5'	3041	3030
9356'-9448'	9402'	3110	3094
9446'-9518'	9482'	3000	2977

An analysis of the pressure build-up test, having a radius of investigation of approximately 800 feet and taken in January, 1978, on the Mesa well, shows that the maximum average reservoir pressure at that time would not exceed 2658 psi. In fact, if a longer build-up time had been measured, I would expect an average present reservoir pressure of about 2600 psi.

The reservoir pressure of the Cordillera well is 2808 psi, which is at least 151 psi greater than the maximum expected pressure in the Mesa well.

Based upon the available drill stem test data and the pressure build-up data, I would conclude that the two wells are not connected in the zones from which the Mesa well is producing and the Cordillera well was tested.

In conclusion, I would summarize this preliminary analysis:

1. The original bottom hole pressure was not constant over the Mississippian.

2. The Mesa well and Cordillera well are not connected in the zones that have been tested in the Cordillera well to date.

Yours truly,

SHEPLER & THOMAS, INC.

James C. Shepler

James C. Shepler

CORDILLERA STATE #1
SW SW Sec. 16, T 30 S, R 25 E
Little Valley Field
San Juan County, Utah

COMPLETION REPORT

7/19/78 Rigged up Completion Unit. Picked up tubing. Went in hole with casing scraper. Circulated out drilling fluid. SDON.

7/20/78 Waiting on perforating truck. Rigged up same. SDON.

7/21/78 Ran Gamma Ray Correlation log and cement bond log. Top of cement at 5,806'. 100% bond from top Mississippian to top of cement. 75%-100% bonding through Mississippian. Perforated with Dresser Atlas 9048 - 52; 9068 - 71; (9085 - 90; 9090 - 98;) 9253 - 58; 9264 - 94; (9306 - 14; 9314 - 22;) 9360 - 72; 9380 - 83; 9389 - 94; 9408 - 15; and 9415 - 21, with 2/foot. Ran Model R production packer, failed to set. Came out of hole. SDON.

7/22/78 Ran RTTS packer, set packer at 8970'. Rigged up Halliburton, spotted 500 gals. 7 1/2% HCl with diverting agent. Broke down at 3000 lbs. treated with 2500 gals. 7 1/2% HCl and diverting agent at 3-3 1/2 BPM at 2800 lbs. Dropped 125 balls throughout treatment. Shut in 2 hours, swabbed back, starting flowing at 200 Mcfd. SDON.

7/23/78 T.P. 750 lbs. blew down 10 min. Fluid level at 4200 ft. Pulled two swabs. Kicked off. Steady stream about 30' of spent acid and water and gas. SDON.

7/24/78 T.P. 1800 lbs. opened on 11/64" choke. Flowing 530 Mcf with 1600 lbs. at 1 o'clock 14/64" flowing 2800 Mcfd with 790 lbs. 2 o'clock 11/64" 577 Mcfd with 1380 lbs. started making condensate.

7/25/78 Waiting on Halliburton to acidize.

7/26/78 Rigged up Halliburton and acidized with 25,000 gals. 15% Hcl and polymer for diverting blocks. Had pressure increases of 500 lbs and 1000 lbs from blocks. Average displacement pressure of 3000 lbs. at 7 BPM. ISIP - 300 lbs. to 0 lbs. on vacuum.

7/27/78 T.P. 800 lbs. blew down, pumped in 60 bbls water, pulled tubing, layed down RTTS packer and picked up Model D. Model D stopped at liner hanger. Came out of hole, went in with mill, dressed hanger. Ran and set Model D at 8970' with inhibitor on back side of tubing.

7/28/78 Fluid level at 2400'. Swabbed down to 4000'. Well started flowing. Flowed water and spent acid until dark. SDON.

CORDILLERA STATE #1 - LITTLE VALLEY

COMPLETION REPORT (Cont')

7/29/78 SITP 1160 lbs. Blew down. Made two swab runs. Well flowing distillate, water and spent acid.

11:00 a.m.	18/64	210 lbs.	1" water
12:00 a.m.	"	250 lbs.	"
1:00 p.m.	"	400 lbs.	water decreasing
2:00 p.m.	"	500 lbs.	spray H_2O
	Making 2 MMcfd		
3:00 p.m.	18/64	550 lbs.	spray - 2.046 MMcf
4:00 p.m.	19/64	600 lbs.	" 2.341 "
5:00 p.m.	"	690 lbs.	" 2.864 "
6:30 p.m.		770 lbs.	
7:30 p.m.		790 lbs.	
8:30		800 lbs.	

Released rig. SDON.

7/30/78 SITP 1890 lbs.
10:00 a.m. 1200 lbs. 3 MMcfd
Flowing to clean up. Flare will not keep burning due to water.
Shut in, waiting on separator.

8/12/78 Hooked up separator.

8/13/78-8/17/78 Flowed and flared off and on while cleaning up well -- approximately 4000 Mcf total. Shut well in for pressure buildup.

8/31/78 Tefteller, Inc., ran pressure bomb prior to four-point test.
Shut-in pressure @ 8850' = 2749 psia

Choke	Vol. in Mcf	Flowing BHP psia
24/64	3615	1892
19/64	2938	1980
16/64	2180	2116
12/64	1382	2259

Shut in for 72-hr. buildup.

9/5/78 Pulled bomb. Shut well in. Waiting for pipeline connection.

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

4 August 1978

DIVISION OF OIL, GAS AND MINING
STATE OF UTAH
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: MR. P. L. DRISCOLL

RE WELL STATUS REPORT
State #1, Cordillera
Sec. 16, T 30 S, R 25 E
San Juan County, Utah

Gentlemen:

We are still in the process of completing subject well, but will update you prior to filing our completion report.

We ran a cement bond log (copy enclosed) and perforated 104' of porosity in intervals from 9048' to 9421', with 2 shots per foot. Ran a small cleanup acid job of 3000 gallons 7½% HCl and 125 ball sealers. Flowed back water and spent acid. Final rate of 2800 Mcfd on 14/64 choke and 790 lbs. on tubing. Acidized with 25,000 gallons 15% HCl and two polymer diverting plugs. First plug caused a 500-lb. increase, and the second, a 1000-lb. increase. Displaced at 3000 lbs. and 7 BPM. Flowed back spent acid and water, with a final rate of 3000 Mcfd on 6/64 choke and 1200 lbs on tubing. Shut in, waiting on equipment to run multi-point test.

We had Jim Shepler do a preliminary analysis on the tests available. Enclosed is a copy of his letter for your information.

Very truly yours,

Jack M Lucey

JACK M. LUCEY

JML/nll

CL 830

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

September 1, 1978

File RFL 78577

Company Cordillera Corporation Formation

Well Spiller Canyon State No. 1 County San Juan

Field Wildcat State Utah

HYDROCARBON ANALYSIS OF GAS SAMPLE

COMPONENT	MOL PER CENT	G P M
Hydrogen Sulfide	0.84	
Carbon Dioxide	13.97	
Nitrogen	10.37	
Methane	66.33	
Ethane	5.47	1.455
Propane	1.76	0.482
iso-Butane	0.39	0.127
n-Butane	0.50	0.157
iso-Pentane	0.17	0.062
n-Pentane	0.11	0.040
Hexanes	0.06	0.024
Heptanes plus	0.03	0.014
	100.00	2.361

Calculated gas gravity (air = 1.000) = 0.801

Calculated gross heating value = 858 BTU per cubic foot of dry gas at 14.65 psia at 60°F.

Collected at 300 psig and 32 °F.

Core Laboratories, Inc.

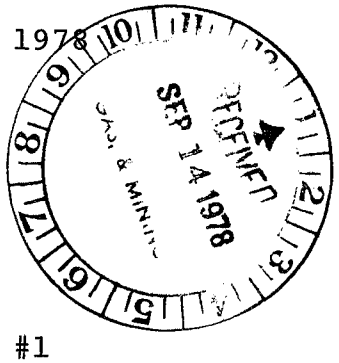
P. L. Moses, Manager
Reservoir Fluid Analysis

PLM:RB:lf
7 cc: Mr. Jack Lucy
Cordillera Corporation
2334 E. 3rd Avenue
Denver, Colorado 80206

CORDILLERA CORPORATION

2334 EAST THIRD AVENUE · DENVER, COLORADO 80206 · (303) 355-3535

12 September 1978



DIVISION OF OIL, GAS & MINING
Department of Natural Resources
State of Utah
1588 West North Temple
Salt Lake City, Utah 84116

RE CORDILLERA STATE #1
Little Valley Field
San Juan County, Utah

ATTENTION: MR. PATRICK L. DRISCOLL
Chief Petroleum Engineer

Gentlemen:

Please find enclosed the completion report on the subject well. Attached to the report is a copy of the gas analysis, along with our daily completion report, which covers the completion in somewhat more detail.

We are also enclosing a copy of the latest gas analysis of Mesa's 2-21F well for your information.

Very truly yours,

Jack M. Lucey

JACK M. LUCEY
Engineer

JML/nll

Enclosures

9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: state

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Little Valley

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 16, T30S, R25E,SLBM

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: Cordillera Corporation

3. ADDRESS OF OPERATOR: 2334 East Third Avenue, Denver, Colorado 80206

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 500' FSL, 500' FWL, Sec. 16
At top prod. interval reported below: 496' FSL, 515' FWL, Sec. 16
At total depth: 460' FSL, 509' FWL, Sec. 16

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-037-11356	2/17/78	San Juan	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5/22/78	7/3/78	9/5/78	6861' RKB	6847'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
9517' - 9468' dd 9464'	--	--	→	All	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
9048' - 9004' Mississippian - Leadville
9421' - 9373' Mississippian - Leadville

25. WAS DIRECTIONAL SURVEY MADE: yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Laterolog, Compensated Neutron-Formation Density, Borehole Compensated Sonic - GR - Caliper, Cement Bong Log

27. WAS WELL CORED: no

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	32.75	1000' KB	13 3/4	475 Sx	none
7 5/8"	29.70	5155' KB	9 7/8	900 Sx	none
4 1/2"	11.60	9507' KB	6 3/4 -6 1/2	550 Sx	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2"	4526' KB	9507' KB	550 Sx	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	8970+'	8970'

31. PERFORATION RECORD (*Interval, size and number*)
2 shots/ft. of .39" in the following:
9048-52; 9068-71; 9085-98; 9253-58; 9264-94; 9306-22; 9360-72; 9380-83; 9389-94 & 9408-21

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8970 - 9507	2500 gals. 7 1/2% HCl w/125 ball sealers
8970 - 9507	25,000 gals. 15% HCl & 2 polymer diverting blocks

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
7/28/78	flowing	shut-in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/31/78*	16	various		33	1686	15	50:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
various	packer		72	3615	nil	--

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Flared

TEST WITNESSED BY: John Reid

35. LIST OF ATTACHMENTS: Gas analysis. *Completion Report.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Jack M Lucky TITLE Engineer DATE 9/12/78

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Mississippian Leadville	9259	9404	DST: Bomb @ 9264 - 2000' water cushion. Open 30", Shut-in 30" Open 60", Shut-in 120" IH 5398; FH 5398; IO 869-933; ISI 2782; FO 971-1060; FSI 2782. Gas to surface 47 mins., 1 1/2" blow in 5 gal. bucket increase to bottom in 5 mins. Increased to 28 lbs in 10 mins. 2nd flow reopened @ 28 lb., decreased to 8 lb., produced water chshion and then increased to 60 lbs. - 450 Mcfd - steady.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Lower Hermosa	8833	8788
Molas	8956	8913
Mississippian	8993	8950
Dolomite	9243	9196

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-780-680/VIII-238

Jed W. Lemmons
division land manager
rocky mountain area

MESA
PETROLEUM CO.

November 10, 1978

State of Utah
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Cleon B. Feight
Mr. Pat Driscoll

Re: Spiller Canyon State #1
Sec. 16, T. 30 S., R. 25 E.,
San Juan County, Utah
Cordillera Corporation

Gentlemen:

In response to your October 31, 1978 letter relating to the above, a meeting was held yesterday in Mesa's Amarillo office between Mesa and Cordillera. An agreement was reached as to the required testing procedure under Order in Cause No. 70-2. The procedure will involve approximately one week's time with pressure bomb bottom hole measurements on each end and dead weight testing in between, along with surface pressure measurements.

The physical testing procedure should take about two weeks and an additional two weeks or so will be required for analysis. Mesa and Cordillera shall contact the Board upon completion of the analysis.

Very truly yours,

MESA PETROLEUM CO.

Jed W. Lemmons
Division Land Manager

JWL:dj
cc: Mr. James N. Blue
Mr. Les Carnes

CORDILLERA CORPORATION
2334 EAST THIRD AVENUE
DENVER CO 80206
ATTN: LETTIE FLOWER

PHONE: 303-355-3535

YOUR UTAH ACCOUNT NUMBER: N0270

PRODUCING ENTITY NUMBER: 02555
PRODUCING ENTITY NAME : LITTL VALLY STATE #1

API	ZONE	WELL NAME	SECTION	TOWNSHIP	RANGE	QTR-QTR
43-037-11356	LDLL	~~SPIEDER-CYN~~ Cordillera ST #1	16	30.0-S	25.0-E	SWSW

Sundry name change

UTAH
NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801-538-5340)

90415

DOGM 56-64-2
an equal opportunity employe

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

CORDILLERA CORPORATION
5031 S ULSTER PKY #410
DENVER CO 80237
ATTN: LETTIE FLOWER

AUG 31 1987
DIVISION OF OIL

Utah Account No. N0270

Report Period (Month/Year) 7 / 87

Amended Report ☐

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
H.E. WALTON A-3 4301516023 02550 14S 07E 30	FRSD	-			
P.T. WALTON 1-X 4301516024 02550 14S 07E 19	FRSD	-			
CORDILLERA ST #1 4303711356 02555 30S 25E 16	LDLL		***		
FEDERAL 1-20 4303730464 02560 30S 25E 20	LDLL		***		
TOTAL					

Comments (attach separate sheet if necessary)

***Effective July 1, 1987, the new Operator for Cordillera ST #1 and Federal 1-20 is GASCO, Inc., PO Box 15277, Lakewood, CO 80215 N0535

I have reviewed this report and certify the information to be accurate and complete. Date August 27, 1987

Authorized signature
Ruth Sullivan, Controller

Telephone (303) 779-8811

PLEASE COMPLETE FORMS IN BLACK INK

Form OGC-1b

SUBMIT TRIPLICATE (Other instructions on reverse side)

PGW

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: GSC Operating Co.

3. ADDRESS OF OPERATOR: P.O. Box 15277 Lakewood, CO 80215

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FSL & 500'FWL Sec 16-T30S-R25E SLPM

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505 PEN #02555

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 092902

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: #1 Cordillera

10. FIELD AND POOL, OR WILDCAT: Little Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16-T30S-R25E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: 43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 6847'

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other) Change of Operator				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change Operator from Cordillera Corporation to GSC Operating Co. effective 7-1-87.

RECEIVED
SEP 29 1987
DIVISION OF OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Meg Beckman TITLE Production Tech. DATE 9-23-87

(This space for Federal or State office use)

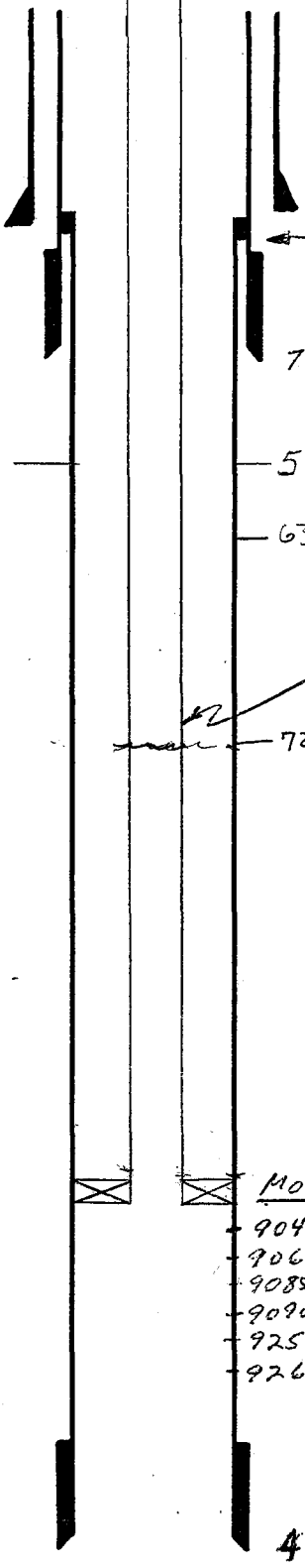
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL NO. State Spiller #1 San Juan Co. Utah

(re-entry of Pure Oil Co. well of same name)



10 3/4" @ 999'

liner hanger @ 4520'

7 5/8" @ 5155'

5750' Tp. Cmt

6300' wtr. level static

2 3/8"

7200' Tp of fish

9-1-78 CAOF (4pt) 13,13 MMCFPD

Mississippian Leadville
DST 9259-9404 30-30-60-120
GTS 47min 480MCFPD steady
>2000 ppm H_2S

IFP 869-923
ISIP 2782#
FFP 971-1060
FSIP 2782#

Model "D" pKr set @ 8970' on 7-27-78 (inhibited fluid on backside)

9048-52	9306-14
9068-71	9314-22
9085-90	9360-72
9090-98	9380-83
9253-58	9389-94
9264-94	9408-15
	9415-21

IP Mississippian Leadville w/2 spf 7-21-78

Acidized w/3000 gal 7½% HCl 7-22-78
Flowed on 14/64" ck 790# FTP 2800 MCFPD

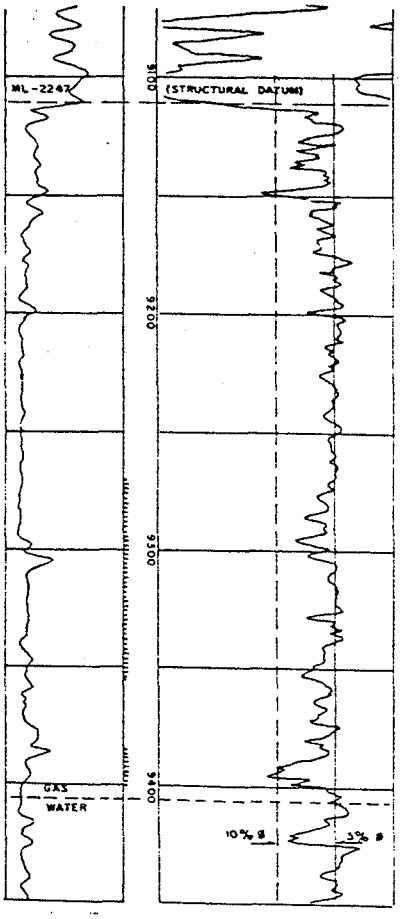
Acidized w/25,000 gal 15% HCl w/polymer diverter

4½" 11.6# N-80 csg set on 7-5-78 w/450 sx lite + 100 sx reg.
9507'

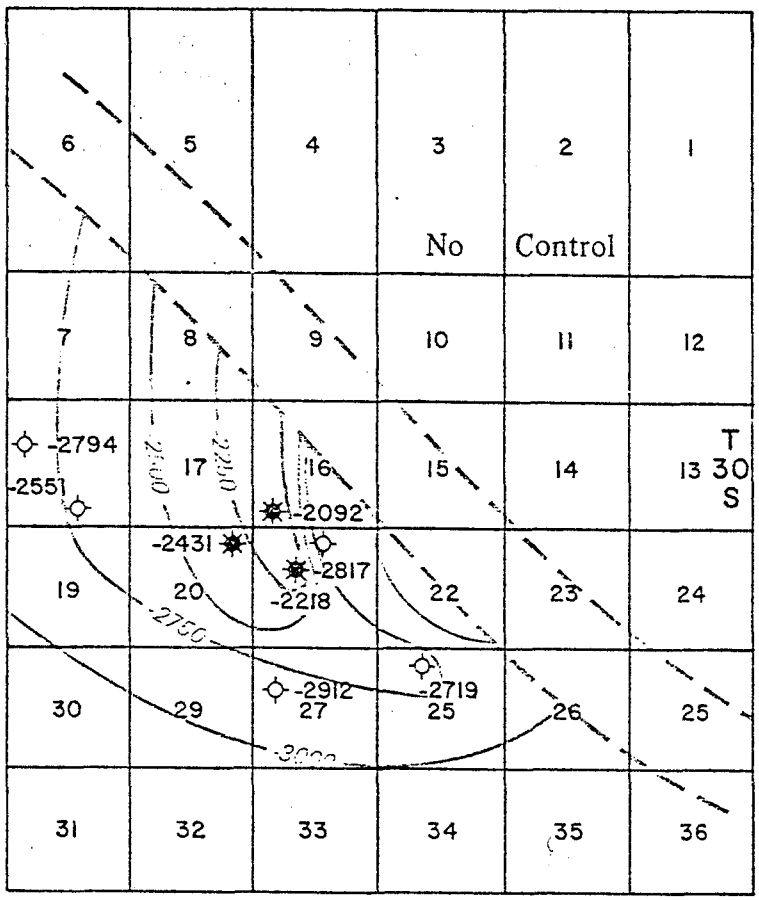
Updated thru 5-28-87

JAA

PUBCO OIL
No. F-2-21 Lisbon Federal
21 - 30S - 25E



Source: Four Corners Geologic Society (1978).



STRUCTURE MAP

LITTLE VALLEY FIELD

San Juan County, Utah

Datum: Top of Leadville

C. I. 250 Feet

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

COMPANY: West Hazmat COMPANY MAN: Kent Stringham

WELL NAME: Cordillera State #1 API #: 43-037-11356

QTR/QTR: SW/SW SECTION: 16 TWP: 30S RANGE: 25E

CONTRACTOR: B+B well Ser PUSHER/DRLR: _____

INSPECTOR: Glenn DATE: 3/24/92 OPERATIONS: P&A

SPUD DATE: _____ TOTAL DEPTH: _____

DRILLING AND COMPLETIONS

_____APD	_____WELL SIGN	_____BOPE	_____RESERVE PIT
_____FLARE PIT	_____BURN PIT	_____H2S	_____BLOOIE LINE
_____SANITATION	_____HOUSEKEEPING	_____VENTED/FLARED	

PLUGGING AND ABANDONMENT PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL
	4½ CIBP	6400'+-
	30SKs Cmt-silica Cl.G	6400' - 6022'
	70 SKs	4727' - 4326'
	210SKs	2700' - 1800'
	25SKs	1050 - 950'
~~PERFORATIONS~~:	50SKs	215' - 0'

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: Dug out cellar to Cmt. 10¾ but 10¾ had been cut OFF & Cmt to Surface. Cut 7⅝' + w/H welded Plate on below Flow Line

DATE 12/06/91 PRODUCTION INQUIRY SCREEN MENU: OPTION 00

TWNSHP	RANGE	SC	SPOT	MD.	API	ZONE	STATUS
30.0 S	25.0 E	16	SWSW	S	43-037-11356	LDLL	PGW

OPERATOR: N0535 : GASCO, INC. (DBA GSC OPER)
WELL NAME: CORDILLERA ST #1
ENTITY: 2555 : CORDILLERA ST #1

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			1254.00	2229551.00	0.00	
N0535	2555	27	0.00	872.00	0.00	91-01
N0535	2555	28	0.00	751.00	0.00	91-02
N0535	2555	0	0.00	0.00	0.00	91-03
N0535	2555	26	0.00	1094.00	0.00	91-04
N0535	2555	29	0.00	1088.00	0.00	91-05
N0535	2555	30	0.00	1007.00	0.00	91-06
N0535	2555	31	0.00	953.00	0.00	91-07
N0535	2555	1	0.00	26.00	0.00	91-08
N0535	2555	0	0.00	0.00	0.00	91-09
N0535	2555	0	0.00	0.00	0.00	91-10
		YTD	0	5,791	0	

OPTION: 13 PERIOD(YYMM): 9100 API: 4303711356 ZONE: LDLL ENTITY: 11078

DATE 12/06/91 PRODUCTION INQUIRY SCREEN MENU: OPTION 00

TWNSHP RANGE SC SPOT MD. API ZONE STATUS
30.0 S 25.0 E 16 SWSW S 43-037-11356 LDLL PGW

OPERATOR: N0535 : GASCO, INC. (DBA GSC OPER)
WELL NAME: CORDILLERA ST #1
ENTITY: 2555 : CORDILLERA ST #1

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			1254.00	2229551.00	0.00	
N0535	2555	31	0.00	888.00	0.00	90-01
N0535	2555	26	0.00	693.00	0.00	90-02
N0535	2555	30	0.00	1132.00	0.00	90-03
N0535	2555	29	0.00	1092.00	0.00	90-04
N0535	2555	31	0.00	1282.00	0.00	90-05
N0535	2555	23	0.00	1013.00	0.00	90-06
N0535	2555	31	0.00	1019.00	0.00	90-07
N0535	2555	31	0.00	944.00	0.00	90-08
N0535	2555	26	0.00	887.00	0.00	90-09
N0535	2555	31	0.00	936.00	0.00	90-10
N0535	2555	30	0.00	834.00	0.00	90-11
N0535	2555	28	0.00	819.00	0.00	90-12
		YTD	0	11,539	0	

OPTION: 13 PERIOD(YYMM): 9000 API: 4303711356 ZONE: LDLL ENTITY: 11078

DOGM Form 5
May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

RECEIVED
DEC 16 1991
DIVISION OF OIL GAS & MINING

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Gasco, Inc. (dba GSC Operating)

8. FARM OR LEASE NAME: State

3. ADDRESS OF OPERATOR: P.O. Box 281304, Lakewood, Colorado 80228

9. WELL NO.: #1 Cordillera

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 500' FSL & 500' FWL

10. FIELD AND POOL, OR WILDCAT: Little Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T30S, R25E S.L.B.M.

14. API NUMBER	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-037-11356	GL 6847'	San Juan	Utah

16. **Check Appropnate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Well Status			
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Shut in well on August 2, 1991. It is requested that temporarily abandoned status be given on this well for a twelve month period, until a more favorable gas market exists.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Engineering Technician DATE 12/11/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
WEST HAZMAT OIL FIELD SERVICES, INC.

3. ADDRESS OF OPERATOR
201 N. VERNAL AVE. #1, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
500' FSL & 500 FWL SW¼,SW¼

5. LEASE DESIGNATION AND SERIAL NO.
ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
STATE

9. WELL NO.
SPILLER # 1

10. FIELD AND POOL, OR WILDCAT
LITTLE VALLEY

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 16,T.30S.,R.25E

14. PERMIT NO.
43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6861' RKB

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) TEST			
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

OPERATOR WISHES TO REPORT THAT A CASING INTEGRITY TEST WILL BE CONDUCTED ON THE SUBJECT WELL. IN ADDITION THE OPERATOR PROPOSES TO CONDUCT A STEP RATE INJECTION TEST. DATA FROM THE CASING AND STEP RATE TEST WILL BE USED TO EVALUATE THE POSABLE CONVERSION OF THE WELL TO A SALT WATER INJECTION WELL.

*APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1-22-92
BY: [signature]

RECEIVED
JAN 09 1992
DIVISION OF OIL, GAS & MINING

* Operator will keep the Division appraised of all testing activity to allow witnessing and consultation. Following a reasonable test period and application for injection will be filed with the Division or other future plans for the well will be discussed with Division staff.

18. I hereby certify that the foregoing is true and correct
SIGNED William A. Ryan / Agent TITLE Operations Manager Rocky Mt. Consulting DATE 12/8/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

DOGM Form 5
May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER	5. LEASE DESIGNATION AND SERIAL NO.: ML 26505
2. NAME OF OPERATOR: GASCO, INC. (dba GSC Oper)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 281304, Lakewood, Colorado 80228	7. UNIT AGREEMENT NAME:
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FSL & 500' FWL	8. FARM OR LEASE NAME: State
	9. WELL NO.: 1
	10. FIELD AND POOL, OR WILDCAT: Little Valley
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 16-T30S-R25E, SLBM
14. API NUMBER: 43-037-11356	15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6861' RKB
	12. COUNTY OR PARISH: San Juan
	13. STATE: UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Change of Operator			X
(Other)	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Notice is hereby given that effective January 6, 1992 the Above mentioned well is operated by:

West Hazmat Oil Field Services, Inc.
201 N. Vernal Ave. #1
Vernal, Utah 84078

RECEIVED
JAN 09 1992
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Engineer Technician DATE January 6, 1992

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DOGM Form 5
May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: West Hazmat Oil Field Services, Inc.

3. ADDRESS OF OPERATOR: 201 N. Vernal Ave. #1, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FSL & 500' FWL

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Little Valley

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 16-T30S-R25E, SLBM

14. API NUMBER: 43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6861' RKB

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Change of Operator			XX
(Other)			☐	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Notice is hereby given that Effective January 6, 1992, West Hazmat Oil Field Services, Inc. is the operator of the State #1 Well.

RECEIVED
JAN 09 1992
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Vice President DATE 1-7-92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
WEST HAZMAT OIL FIELD SERVICES, INC.

3. ADDRESS OF OPERATOR
201 N. VERNAL AVE. #1, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
500' FSL & 500 FWL SW¼,SW¼

5. LEASE DESIGNATION AND SERIAL NO.
ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
STATE

9. WELL NO.
SPILLER # 1

10. FIELD AND POOL, OR WILDCAT
LITTLE VALLEY

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 16,T.30S.,R.25E

14. PERMIT NO.
43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6861' RKB

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) TEST			
(Other)	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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RECEIVED
JAN 09 1992
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED William A. Ryan / Agent TITLE Operations Manager Rocky Mt. Consulting DATE 12/8/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

1-7-92

WEST HAZMAT
Oil Field Services, Inc.

January 7,1992

Mr. Ed Bonner
Utah division of State Land and Forestry
355 West North Temple
3 Triad Center
Salt Lake City, Utah 84180

RE: Change of operator/well bond
Spiller Canyon State #1
550' fsl 500' fwl Sec.16, Twp.30S., Rge.35E.
San Juan County, Utah

API#4303711356, Lease # 26505

Dear Mr. Bonner:

West Hazmat Oil Field Services has taken over operation of the above captioned well from Gasco. Attached is a Certificate of Deposit in the amount of $20,000 in lieu of a well bond. It is our intention to let the existing lease expire and apply for a special use permit to convert the well into a commercial class II injection well. We plan to test the well within the week and apply for a special use permit once we have acquired our test data.

Mr. Bill Ryan of Rocky Mountain Consulting has been retained by West Hazmat Oil Field Services to test and re-complete the well. If you have any technical questions please feel free to contact Bill at 801-789-0968 or myself at 801-789-9584.

Sincerely,

Steve Rooney
Vice President

RECEIVED
JAN 0 9 1992
DIVISION OF
OIL, GAS & MINING

c.c. Bill Ryan

8017893983

First Interstate Bank

First Interstate Bank of Utah, N.A.

TIME DEPOSIT RECEIPT AND AGREEMENT
NON-TRANSFERABLE & NON-NEGOTIABLE

178365

Office VERNAL Date 010692 Amount 20,000.00

Name(s) and Address UTAH DIVISION OF STATE
LAND AND FORESTRY AND
WEST HAZMAT OIL FIELD SER.
7670 S. VAUGHN SUITE 200 ENGLEWOOD, CO 80112

Home Phone # 801-789-9584 Work Phone # 801-789-9584

("Registered Owner(s)") has (have) deposited the sum of ***Twenty Thousand, and 00/100*** Dollars,
payable to the Registered Owner(s) upon request 1 YR after the date hereof (date of "maturity"), with
interest at the rate of 3.630 percent per annum from the date hereof to maturity.

THIS TIME DEPOSIT MATURES ON DATE OF MATURITY AND SHALL BE DEEMED RENEWED, AND MATURITY EXTENDED, FOR SUCCESSIVE 1 YR PERIODS AT THE EFFECTIVE RATE OF INTEREST ON MATURITY DATE, UNLESS TIME DEPOSIT IS WITHDRAWN.

Tax Identification Number of Registered Owner: 841082252 Y

Authorized Signature

52010915

Type 42 Customer # 0006130 New or Existing # N Interest Frequency QUARTERLY Int. Pay Option DDA Acct # to Credit Checking: Savings:

Maturity Date

IRA INFORMATION

Tax Year

Birth Date Type of Funds

SEE REVERSE SIDE FOR IMPORTANT DISCLOSURE, WITHDRAWAL, AND AUTOMATIC RENEWAL TERMS. EARLY WITHDRAWAL SUBJECT TO SUBSTANTIAL PENALTY.
I agree to all terms as stated on this receipt and certify, under penalty of perjury, that the Tax I.D. number above is correct and that I am not subject to backup withholding.

Customer's Signature

CUSTOMER COPY TD-127U (4-91) C

RECEIVED
JAN 09 1992
DIVISION OF
OIL, GAS & MINING

vision of Oil, Gas and Mining
PERATOR CHANGE WORKSHEET

Routing:

1- LCR	7- LCR
2- DTS	
3- VLC	✓
4- RJF	✓
5- RWM	✓
6- ADA	

tach all documentation received by the division regarding this change.
itial each listed item when completed. Write N/A if item is not applicable.

X Change of Operator (well sold) ☐ Designation of Agent
Designation of Operator ☐ Operator Name Change Only

ie operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-6-92)

) (new operator) WEST HAZMAT OIL FIELD SERVICES, INC.
(address) 201 N. VERNAL, AVE #1
VERNAL, UT 84078
phone (801) 789-9584
account no. N 9190
STEVE ROONEY, VP

FROM (former operator) GASCO, INC. (DBA GSC OPER.)
(address) P. O. BOX 281304
LAKEWOOD, CO 80228-9304
phone (303) 980-9340
account no. N0535

ell(s) (attach additional page if needed):

Name: CORDILLERA ST #1/LDLL	API: 43-037-11356	Entity: 2555	Sec 16	Twp 30S	Rng 25E	Lease Type:	ML-26505
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	
Name:	API:	Entity:	Sec	Twp	Rng	Lease Type:	

PERATOR CHANGE DOCUMENTATION

lcr 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 1-9-92)

lcr 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 1-9-92)

lcr 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: #131140.

N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.

lcr 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-14-92)

lcr 6. Cardex file has been updated for each well listed above. (1-14-92)

lcr 7. Well file labels have been updated for each well listed above. (1-14-92)

lcr 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-14-92)

lcr 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

- OVER -

OR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.

Y REVIEW

e
. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

/A
. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

VERIFICATION (Fee wells only)

/A
. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

/A
. A copy of this form has been placed in the new and former operators' bond files.

/A
. The former operator has requested a release of liability from their bond (yes/no) ___.
Today's date _____ 19___. If yes, division response was made by letter
dated _____ 19___.

E INTEREST OWNER NOTIFICATION RESPONSIBILITY

/A
. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

1-6-92
. Copies of documents have been sent to State Lands for changes involving State leases.

NG
DWM
. All attachments to this form have been microfilmed. Date: January 23 1992.

Copies of all attachments to this form have been filed in each well file.

The original of this form and the original attachments have been filed in the Operator Change file.

TS

34-35

Speed Letter®

To Ed Bonner
State Lands

From Don Staley
Oil, Gas and Mining

Subject Operator Change

— No. 8 & 10 FOLD

MESSAGE

Date 1-16 19 92

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: GASCO INC. (dba GSC Oper)

New Operator : WEST HAZMAT OIL FIELD SERVICES INC.

Well: Cordillera State 1 API: 43-037-11356 Entity: 02555 S-T-R: 16-30S-25E

— No. 9 FOLD

— No. 10 FOLD

CC: Operator File

Signed Don Staley

REPLY

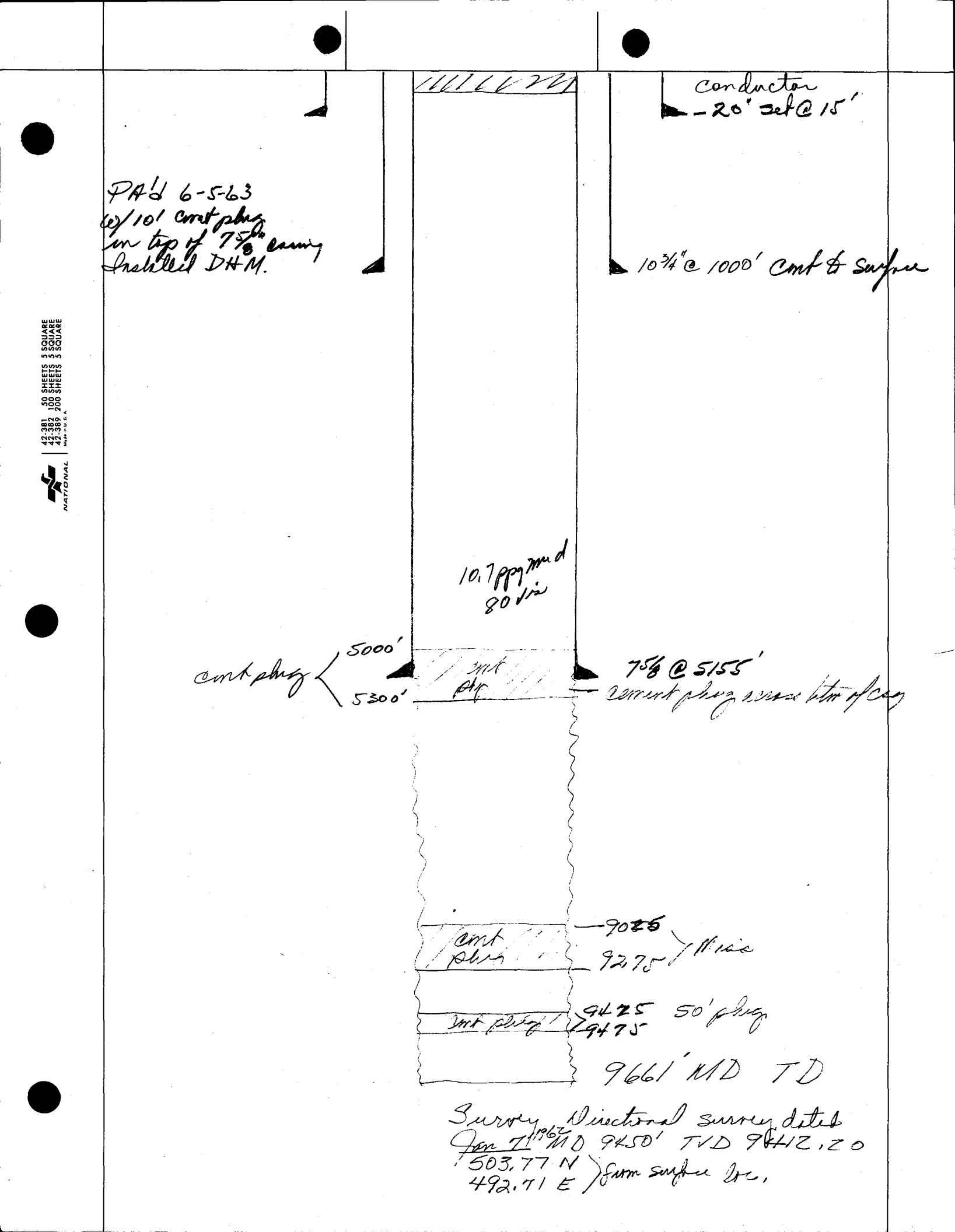
Date 19

Signed

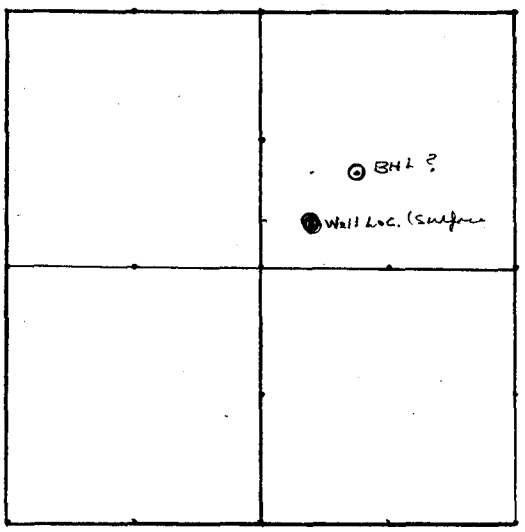
— No. 9 & 10 FOLD

Wilson Jones Company
GRAYLINE FORM 44-912 3-PART
© 1983 • PRINTED IN U.S.A.

RECIPIENT—RETAIN WHITE COPY, RETURN PINK COPY.



Survey Directional survey dated Jan 11 1967
MD 9450' TVD 9442.20
1503.77 N
492.71 E
from surface loc.



CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 5-06-3950 | DATE 2-13-92 | AGE | DS DISTRICT Farmington

WELL NAME AND NO.	LOCATION (LEGAL)
State #1	Sec 16 30S 25E.
FIELD-POOL	FORMATION
COUNTY/PARISH	STATE	API. NO.
San Juan.	Utah.	

NAME West Hazmat

AND 7670 So Bond Cort #200

ADDRESS Englewood, Colo

ZIP CODE 80112

SPECIAL INSTRUCTIONS

page 1 of 2.

IS CASING/TUBING SECURED? ☐ YES ☐ NO

LIFT PRESSURE PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 2000 TBG PSI | BUMP PLUG TO PSI

ROTATE RPM | RECIPROCATE FT | No. of Centralizers

RIG NAME: S-S.

WELL DATA:		BOTTOM			TOP
BIT SIZE	CSG/Liner Size				
TOTAL DEPTH	WEIGHT				
☐ROT ☐CABLE	FOOTAGE				
MUD TYPE	GRADE				
☐BHST ☐BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)				TOTAL
MUD VISC.	Disp. Capacity				

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SHOE		Float		Stage Tool	
TYPE		TYPE		TYPE	
DEPTH		DEPTH		DEPTH	
TYPE		TYPE		TYPE	
DEPTH		DEPTH		DEPTH	

Head & Plugs	☐ TBG ☐ D.P.	SQUEEZE JOB	
☐ Double	SIZE	TOOL	TYPE
☐ Single	☐ WEIGHT		DEPTH
☒ Swage	☐ GRADE	TAIL PIPE: SIZE	DEPTH
☐ Knockoff	☐ THREAD	TUBING VOLUME	Bbls
TOP ☐R ☐W	☐ NEW ☐ USED	CASING VOL. BELOW TOOL	Bbls
BOT ☐R ☐W	DEPTH	TOTAL	Bbls
		ANNUAL VOLUME	Bbls

JOB SCHEDULED FOR TIME: Noon DATE 2-13 | ARRIVE ON LOCATION TIME: 1230 DATE: 2-13 | LEFT LOCATION TIME: DATE:

TIME (0001 to 2400)	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1230								PRE-JOB SAFETY MEETING + Rig up.
1413								Test D/S Lines to 2500 - Okay.
1415.	20			0	2	H2O	8.3	Inj Rate.
1425	220		21	21	2	"	"	Caught psi
1428.	460		26½	0	3	"	"	Shut down H2O Start Cement
1445	800			41	1¼	C/G	15.8	Lower Rate PSI fell to 290
1448	610		45	4	2¼.	"	"	Inc Rate psi went up 290 to 610.
1456	720		62.7		1.2	"	"	Lower Rate
1515	740		85		1.2	"	"	End Cement.
1517	910			0	1	H2O	8.3	Start displacing
1532	2000			11.4	¼	"	"	Shut down Pressure Limit.
1534	1710							Bled off psi to 500 - Stung out of Retainer
1544	~~460~~	460				H2O	8.3	Start Rev After Rig LD 1 Jt.
1553		1560		31.3				Shut down - no returns (Hole BS)
1556	780				2	H2O	8.3	pump down TBG.
1602	380			10.9		"	"	Shut down - Switch to Reverse
1612		1380						Shut down - NO Return out TBG.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	200	1.15	C/G 1½ 2% S1 0.8% D127 41	~~15.8~~	~~15.8~~
2.	200	1.15	C/G 1% S1 0.8% D127	41	15.8
3.					
4.					
5.					
6.					

BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE MAX 3500 MIN: 0

☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST ☐YES ☐NO | Cement Circulated To Surf. ☐YES ~~☐NO~~ Bbls.

BREAKDOWN PSI FINAL PSI | DISPLACEMENT VOL. Bbls | TYPE OF WELL ☑OIL ☐GAS ☐STORAGE ☐INJECTION ☐BRINE WATER ☐WILDCAT

Washed Thru Perfs ☐YES ☐NO TO FT | MEASURED DISPLACEMENT ☑ ☐WIRELINE

PERFORATIONS TO TO TO TO

CUSTOMER REPRESENTATIVE Wm Ryan

DS SUPERVISOR H. McAnulty

CEMENTING SERVICE REPORT
SUPPLEMENT LOG

DS-496-1 PRINTED IN U.S.A. WEST HAZMAT

DATE 2-13-92,

CUSTOMER WELL NAME AND NUMBER State #1

LOCATION (LEGAL) Sec 16 30S 25E

DS LOCATION Farmington

TREATMENT NUMBER 13-06-3950

PAGE 2 OF 2 PAGES

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
								Rig pull ~~3~~ stds TBG (DRY)
1625		500			1½	H2O	8.3	Try to reverse Circ
1626		1100			3	"	"	Returns slowing way down
1628		1360		~~9.8~~ 10.8	3	"	"	Inc Rate.
1629		1360		10.8	3			Shut down - No Returns
1630	690					H2O	8.3	Try Circulating
1631	2000							Shut down PSI
1633								Bleed off PSI fast.
1633	3500			½		H2O	8.3	Try Circ down TBG Again
								Inc MAX PSI -
1636	3500							Bleed off PSI
								Rig down -
								Rig Not able to pull
								TBG - planted
								✓

CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 1-06-3956 | DATE 2-20-92

SERVICE | DS DISTRICT FARMINGTON

WELL NAME AND NO. State #1 Spillm. | LOCATION (LEGAL) Sec 16 30S 25E

FIELD-POOL Lisbian Valley. | FORMATION Disposal well.

COUNTY/PARISH San Juan. | STATE Utah | API. NO.

RIG NAME: B + B Well Service (Vernal)

NAME West Hazmat

AND 7670 So. Bond Cort #200

ADDRESS Engle Wood, Colo

ZIP CODE 80112

WELL DATA:		BOTTOM		TOP	
BIT SIZE	CSG/Liner Size	7 5/8			
TOTAL DEPTH	WEIGHT	7 5/8	29.7	BP 2527	
☐ROT ☐CABLE	FOOTAGE				
MUD TYPE H2O	GRADE				
☐BHST ☐BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)				TOTAL
MUD VISC.	Disp. Capacity		.0459		

NOTE: Include Footage From Ground Level To Head In Disp.Capacity

SPECIAL INSTRUCTIONS

Mix 1st few BBls Light Last 5 Heavy
Rig to MAINTAIN 500 PSI Backside

SHOE		Float		Stage Tool	
TYPE		TYPE		TYPE	
DEPTH		DEPTH		DEPTH	

IS CASING/TUBING SECURED? ☑YES ☐NO Tension Packer.

LIFT PRESSURE PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 1500 PSI | BUMP PLUG TO — PSI

ROTATE — RPM | RECIPROCATE — FT | No. of Centralizers —

Head & Plugs	☑TBG ☐D.P.	SQUEEZE JOB	
☐ Double	SIZE 2 3/8	TOOL TYPE	Baker Pac Ker.
☐ Single	☐ WEIGHT 4.6	DEPTH	2379
☑ Swage	☐ GRADE	TAIL PIPE: SIZE —	DEPTH —
☐ Knockoff	☐ THREAD 8rd	TUBING VOLUME	9.2 Bbls
TOP ☐R ☐W	☐ NEW ☑USED	CASING VOL. BELOW TOOL	3. Bbls
BOT ☐R ☐W	DEPTH 2379	TOTAL	12.2 Bbls
	.00387	ANNUAL VOLUME	96.1 Bbls

JOB SCHEDULED FOR TIME: 1100 DATE: 2-20 | ARRIVE ON LOCATION TIME: 0915 DATE: 2-20 | LEFT LOCATION TIME: DATE:

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
0915	1015							PRE-JOB SAFETY MEETING + Rig up. — Well Not Ready wait
1201		500		20	1.38	H2	8.3	DS: CSG
1216						"	"	Test D/S Lines to 3060 - OKAY
1220	0	520			1	H2O	8.3	Injection Rate
1222	1040	500		3.3	1.78	"	"	Shut down -
1224	700	490			1.8	C/G	15.8	Start mixing Cement 100 SX MIX.
1235	830	0		19.6	1.8	"	"	Cement mixed — Shut down Pop's 1st test 1000 PSI
1236	630	960		0	.96	H2O	8.3	Start displacing Rig PSI CSG
1254	1200	0		10½	.21	"	"	Shut down - Packer Clear.
1300	1170	0	10.6	.1	.15	"	"	Start pumping
1302	1190	0	10.6	.1		"	"	Shut down
1314	1170	0			0.15	H2O	8.3	Start displacing
1315	1170	0	10.8	.2				Shut down
1332	1130				0.15	H2O	8.3	Pump.
1334	1160					"	"	Shut down
1340	1140							Bleed PSI off - Check flow Back - flowing Back,
1343								3/4 BBL Back PSI at - 1080 Shut IN

REMARKS 2.40 Minutes working time 12.51 to 500 85°F
Water Chlorides 1950 - PH 7 Some Sulfates.

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	100	1.16	C/G 12.51, 1% D127, 0.2% D46 (116 cuft)	20.6	15.8
2.	200	1.16	C/G with 1% D127 12.51. D47 Side (Have pit mixed)		
3.			(188#) 188#		
4.					
5.					
6.					

BREAKDOWN FLUID TYPE | VOLUME | DENSITY | PRESSURE MAX. | MIN:

☐ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST ☐YES ☐NO | Cement Circulated To Surf. ☐YES ☐NO Bbls.

BREAKDOWN PSI | FINAL PSI | DISPLACEMENT VOL. Bbls | TYPE OF WELL ☐OIL ☐GAS ☐STORAGE ☐INJECTION ☐BRINE WATER ☐WILDCAT Disposal

Washed Thru Perfs ☐YES ☐NO | TO FT | MEASURED DISPLACEMENT ☑ ☐WIRELINE

PERFORATIONS TO Hole TO 2446 | TO TO

CUSTOMER REPRESENTATIVE Kent Co. Stringham

DS SUPERVISOR H. Villanueva

CEMENTING SERVICE REPORT
SUPPLEMENT LOG

DS-496-1 PRINTED IN U.S.A.

West HazMAT

DATE: 2-20-92

CUSTOMER WELL NAME AND NUMBER: State Spiller #1

LOCATION (LEGAL): Sec 16 30S 25E.

DS LOCATION: Farmington.

TREATMENT NUMBER: 15-06-3956

PAGE 2 OF 2 PAGES

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1343	1080	0			1.21	H2O	8.3	Pump 3/4 BBL BACK IN
1348	1140			11		"	"	Hesitate
1412	1100				.15	H2O	8.3	pump 1/4
1414	1120		11 1/4	1/4		"	"	Shut down
1430	1100	0			.15	H2O	8.3	pum 1/4.
1432	1150	0	11 1/2	1/4				Shut down.
1434	1140							Shut in at TBG valve.
								Bleed Lines - Rig down.

CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TICKET NUMBER 6 7957 | DATE 2-21-92

STAGE | DS DISTRICT Farmington

WELL NAME AND NO. Slate Spring #1 | LOCATION (LEGAL) S16 T30 R25E

FIELD-POOL Lisbon Valley | FORMATION

COUNTY/PARISH San Juan | STATE Utah | API. NO.

NAME Weed Hazmat

AND

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

Service & materials for 100 sk Class B squeeze.

IS CASING/TUBING SECURED? ☑ YES ☐ NO

LIFT PRESSURE PSI | CASING WEIGHT ÷ SURFACE AREA (3.14 × R²)

PRESSURE LIMIT 1800 PSI | BUMP PLUG TO — PSI

ROTATE — RPM | RECIPROCATE — FT | No. of Centralizers —

RIG NAME: B+B Well Service.

WELL DATA:		BOTTOM			TOP
BIT SIZE	CSG/Liner Size				
TOTAL DEPTH	WEIGHT				
☐ ROT ☐ CABLE	FOOTAGE				
MUD TYPE	GRADE				
☐ BHST ☐ BHCT	THREAD				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)				TOTAL
MUD VISC.	Disp. Capacity				

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE		Stage Tool	TYPE	
	DEPTH			DEPTH	
SHOE	TYPE			TYPE	
	DEPTH			DEPTH	

Head & Plugs	☐ TBG ☐ D.P.	SQUEEZE JOB	
☐ Double	SIZE 2 3/8	TOOL TYPE	Baker Model C
☐ Single	☐ WEIGHT	DEPTH	2719
☐ Swage	☐ GRADE	TAIL PIPE: SIZE —	DEPTH —
☐ Knockoff	☐ THREAD	TUBING VOLUME	8.9 Bbls
TOP ☐R ☐W	☐ NEW ☑ USED	CASING VOL. BELOW TOOL	5.8 Bbls
BOT ☐R ☐W	DEPTH 2719	TOTAL	14.7 Bbls
B. Plug	2527'	ANNUAL VOLUME	Bbls

JOB SCHEDULED FOR TIME: ASAP DATE: 2-21 | ARRIVE ON LOCATION TIME: 1500 DATE: 2-21 | LEFT LOCATION TIME: 1800 DATE: 2-21

TIME 0001 to 2400	PRESSURE TBG OR D.P.	PRESSURE CASING	VOLUME PUMPED BBL INCREMENT	VOLUME PUMPED BBL CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL
1500								PRE-JOB SAFETY MEETING & RIG-UP
1540	—							Press. test lines 3200
1542	0		5		1	F/W	8.3	Start H2O ahead of cmt. inj.
1547	1340	500	20.6	5	1	cmt	15.8	Start cement slurry.
1600	810				1.2	cmt	15.8	15 bbls cmt → on perfs.
1605	590				—			Shutdown wash pump & lines.
1607	560		11	25.6	1	F/W	8.3	Start H2O flush.
1620	1570				—			10.5 bbls away shutdown.
1631	1420				.12			Start pumping.
1633	1490				—			10.8 bbls away shutdown.
1651	1390				.12			Start pumping.
1653	1470				—			11 bbls away shutdown
								Close in well rig down.

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLS	SLURRY MIXED DENSITY
1.	100	1.16	G, 2% S1, 1% D127, .2% D46	20.6	15.8
2.					
3.					
4.					
5.					
6.					

BREAKDOWN FLUID TYPE | VOLUME | DENSITY

☑ HESITATION SQ. ☐ RUNNING SQ. | CIRCULATION LOST ☐ YES ☐ NO

BREAKDOWN PSI | FINAL 1500 PSI | DISPLACEMENT VOL. 11 Bbls

Washed Thru Perfs ☐ YES ☐ NO | TO — FT. | MEASURED DISPLACEMENT — ☐ WIRELINE

PRESSURE MAX. 1800 MIN: 0

Cement Circulated To Surf. ☐ YES ☐ NO Bbls.

TYPE OF WELL ☐ OIL ☐ GAS ☐ STORAGE ☐ INJECTION ☐ BRINE WATER ☐ WILDCAT

PERFORATIONS TO 2446 TO TO TO

CUSTOMER REPRESENTATIVE Kent Stranathan

DS SUPERVISOR Boyd Hafland

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 25, 1992

TO:UIC STAFF

FROM:GLENN GOODWIN,INSPECTOR

RE:CHRONOLOGY OF WORKOVER OPERATIONS ON ROONEY STATE #1 WELL LOCATED IN SECTION 16,TOWNSHIP 30 SOUTH, RANGE 25 EAST, SAN JUAN, COUNTY UTAH

2-13-92 Tripped in hole w/Baker cmt. retainer and set @ 7360'. Csg would not press. Dowell Services cemented w/400 sks to 2000 psi. Stung out of retainer w/18 bbls cmt. left in tubing. Attempted to cir. cmt. out. due to hole in casing could not cir. Attempted to finish pulling out of hole, tubing was cemt. in. Shut in for night.

2-14-92 Dialog on loc. went in hole backed tubing off @ 4260' Pulled tubing out. Shut in for night.

2-15-92 Tripped in hole w/Baker 7 5/8" to 4250'. Come out of hole cheking for casing leak. found hole at 2446'. Pulled packer out of hole, made up Tri-State back-off and overshot tools, went back in hole caught fish, backed tubing off @ approx. 5000'. pulled out of hole. Shut in for night.

2-16-92 went back in hole w/fishing tool, caught fish, backed tbg off another 1000'. Pulled out of hole. Shut in for night.

2-17-18-19-92 Still fishing on 19th, backed off at 6537'.

2-20-92 went in hole,set BP @ 2527',dumped 15' sand, set packer at 2379',rigged up DS and squeezed hole @ 2446' w/100 sxs. cmt.

** TRANSMIT CONFIRMATION REPORT **

Journal No.	:	013
Receiver	:	8017893983
Transmitter	:	DIV OIL GAS & MINING
Date	:	Mar 17,92 16:13
Document	:	02 pages
Time	:	01'14"
Mode	:	G3 NORMAL
Result	:	OK

* CHECK MESSAGE ** Mar 17,92 16:06

: Mar 17,92 15:42

LOCATION	CODE	MESSAGE
	D.0.0	Unable to Contact Remote Machine, Call Again.

789-0968

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

UTAH DIVISION OF OIL, GAS AND MINING
FACSIMILE TRANSMISSION COVER SHEET

DATE: 3-17-92

FAX # ~~789-3983~~ 789-0968

ATTN: Bill Ryan

COMPANY Rocky Mt. Consulting

FROM: Frank Matthews

DEPARTMENT: DOGM

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 2

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Please see attached as per phone Conservation

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 17, 1992

Rocky Mountain Consulting

Assume fax transmission was a plugging procedure. If assumption is correct, add plug @ base of surface casing as per R649-3-24-3.5. Put all of this information on a State of Utah Sundry Notice form and return for approval. Also, please state the fluid to be used between plugs. At the time we receive the Sundry Notice, will approve the P & A procedure, provided we concur with the procedure.

Yours truly,

F. R. Matthews

Division of Oil, Gas and Mining

PHONE CONVERSATION DOCUMENTATION FORM

Route original/~~copy~~ to:
[] Well File ~~Spiller~~ #1 [] Suspense (Return Date) _____ (To - Initials) _____ [] Other _____

(Location) Sec 16 Twp 30S Rng 25E
(API No.) 43037-11356

1. Date of Phone Call: 3-19-92 Time: 8:00 AM

2. DOGM Employee (name) Frank Matthews (Initiated Call [~~X~~])
Talked to:
Name Bill Ryan (Initiated Call []) - Phone No. (801) 789-0968
of (Company/Organization) Rocky Mt. Consulting

3. Topic of Conversation: Fax of Sundry received 3-18-92 for plugging of referenced well.

4. Highlights of Conversation: Did not understand cmt system. Ken Stringham to call me back also told him to just circ mud after lower plug is set + cemented. Set balanced plugs the rest of way out. Ken Stringham called 10:50 said cement was 25% flyash (60#/ft³) + 75% Cl G. Could tag any plug if necessary by adding 2% CaCl. Plugging to start Monday Mar 30 1992.

801789 43

R-18-92 WE 197 R Y MOUNTAIN CONS. 801 93983 P.02

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
NATURAL RESOURCES
, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
STATE

9. WELL NO.
SPILLER #1

10. FIELD AND POOL, OR WILDCAT
LITTLE VALLEY

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 16, T30S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

SUNDRY NOTICES AND REPORTS ON

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1.
OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR
WEST HAZMAT OIL FIELD SERVICES, INC.

3. ADDRESS OF OPERATOR
201 N. VERNAL AVE. AL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
500 L & 500 FWL SW¼ SW¼

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6861'

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☒
REPAIR WELL	☐	CHANGE PLANS	☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Est. Date 3/22/92 Set CIBP IRON BRIDGE PLUG @ 6400'+/-
Est. Date 3/23/92 Spot 25 sk. Cement 6022' - 6400'
Spot 20 bbl. 9 lb. Mud 4726' - 6022'
Spot 70 Sk. Cement (200' in 4½ & 200' in 7 5/8 4326' - 4727'
Spot 75 bbl. 9 lb. Mud 2700' - 4326'
Spot 210 Sk. Cement 1800' - 700'
Spot 35 bbl. 9# Mud 1050' - 20'
Spot 25 sk. Cement 50' Above & 50' below 950' - 850'
Spot 35 bbl. 9# Mud 950' - 215'
Spot 50 Sk. Cement 215' - 0'
Pump via 10 3/4" X 7 5/8" Annulus with 200Sk. Cement.

System:
Silica and Cement Class G 25:75 Pozmix A G. Flyash 60#/sk
= 15.4 lb./gal.
= 1.11 cu.ft./sk.
= 4.71 gal./sk.
Compressive Strength = 2300 psi in 24 hr. @ 80 F.

Elmt Mesa 6861'

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE OPERATIONS MANAGER DATE 3/18/92
ROCKY MOUTAIN CONSULTING

(This space for State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FAX TRANSMISSION

TO State of Utah DOGM FROM Rocky Mountain Consulting

Frank Matthews (801) 789-0968

DATE 3/18/92 PAGES TRANSMITTED 2

FAX TRANSMISSION

Frank Matthews FROM Rocky Mountain Consulting

(801) 789-0968

DATE 3/17/92 PAGES TRANSMITTED 1 + Cover

Already seen
Send to File
JKR

Rocky Mountain Consulting

WELL COMPLETION WORKSHEET

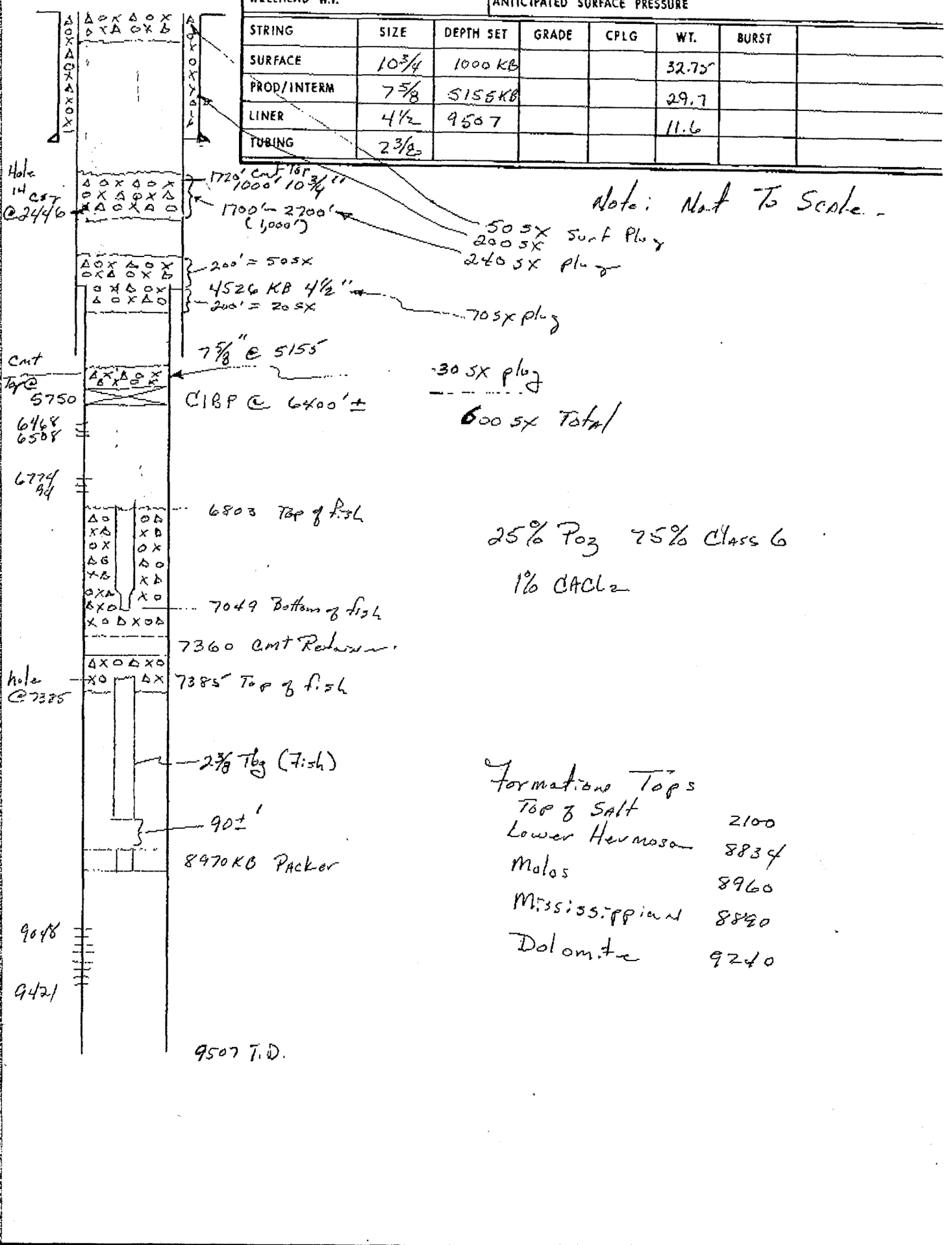
Date: 3/17/92

LEASE	Well No.	Location	County	State
ML 26505	Spiller #1	Sec 16, T30S, R25E	San Juan	Ut

WELLHEAD W.P. | ANTICIPATED SURFACE PRESSURE

STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	BURST
SURFACE	10 3/4	1000 KB			32.75	
PROD/INTERM	7 5/8	5155 KB			29.7	
LINER	4 1/2	9507			11.6	
TUBING	2 3/8					

KB- 6861
GL- 6847



Note: Not To Scale.

25% Poz 75% Class G
1% CACl2

Formation Tops

Top of Salt	2100
Lower Hermosa	8834
Molas	8960
Mississippian	8980
Dolomite	9240

Rocky Mountain Consulting

WELL COMPLETION WORKSHEET

Date 3/17/92

LEASE	Well No.	Location	County	State
ML 26505	Spiller #1	Sec 16, T30S, R25E	San Juan	

WELLHEAD W.P. | ANTICIPATED SURFACE PRESSURE

STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	BURST
SURFACE	10 3/4	1000 KB			32.75	
PROD/INTERM	7 5/8	5155 KB			29.7	
LINER	4 1/2	9507			11.6	
TUBING	2 3/8					

KB- 6561'
GL- 6541'

1720' cmt 16ft 3/4" 1000' 10 3/4"

1700'- 2700' (1,000')

50 sx Surf Plug
200 sx
240 sx plug

4528' KB 4 1/2"
20 sx

70 sx plug

@ 5155'

30 sx plug

600 sx Total

6400'± TOP

8903 Top of Fish

25% Poz 75% Class G
1% CACl2

9049 Bottom of fish

9060 cmt Retainer

9085' Top of fish

2 3/8 Tbg (Fish)

90±'

8970 KB Packer

9048

9421

9507 T.D.

Formations Tops

Top of Salt	2100
Lower Hermosa	[illegible]
Molas	8960
Mississippian	[illegible]
Dolomite	9240

Note: Not To Scale

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: ML 26505

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: WEST HAZMAT OILFIELD SERVICES, INC.

8. FARM OR LEASE NAME: STATE

3. ADDRESS OF OPERATOR: 201 North Vernal Ave., #1, Vernal, UT 84078

9. WELL NO.: SPILLER #1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 500' FSL & 500 FWL SW¼, SW¼

10. FIELD AND POOL, OR WILDCAT:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T30S, R25E

14. PERMIT NO.: 43-037-11356

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6861'

12. COUNTY OR PARISH: SAN JUAN

13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	XX
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)	☐			(Other)			☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator wishes to report the subject well was plugged and abandoned on March 24, 1992. Please see the attached down hole diagram for additional details.

All production equipment has been removed and the surface recontoured.

Seeding will be conducted in the fall of 1992. The casing was cut off 2' below ground level and a steel plate set on top of the casing.

If you require additional details, please contact:

William A. Ryan
Operations Manager
ROCKY MOUNTAIN CONSULTING
350 South, 800 East
Vernal, UT 84078
(801) 789-0968

RECEIVED
MAY 26 1992
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED William A Ryan TITLE Operations Manager DATE 5/21/92

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Rocky Mountain Consulting

WELL COMPLETION WORKSHEET

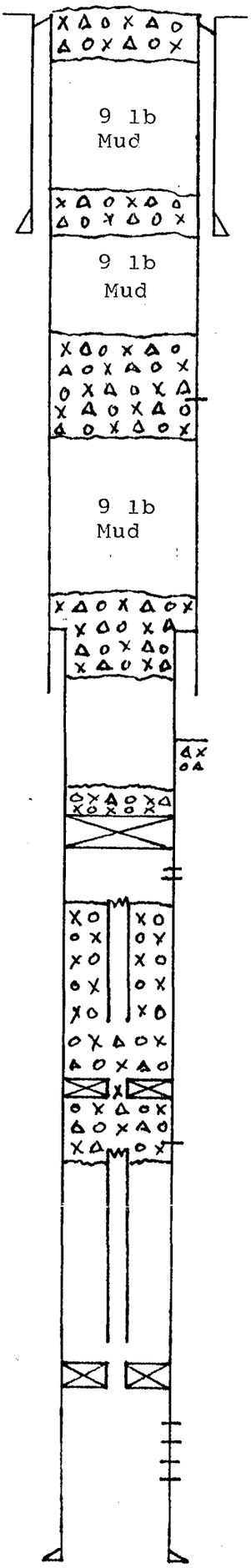
Date

LEASE	Well No.	Location	County	State
ML 26505	Spiller #1	Sec 16, T30S, R25E	San Juan	Utah

WELLHEAD W.P. N.A. ANTICIPATED SURFACE PRESSURE N.A.

STRING	SIZE	DEPTH SET	GRADE	CPLG	WT.	BURST	
SURFACE	10 3/4	1000'			32.75		
PROD/INTERM	7 5/8	5155			29.70		
LINER	4 1/2	9507			11.60		
TUBING	2 3/8						

KB- Cut off @
GL- 6844'



Plug @ 200', plug set @ 1000'
50 sx cmt.

1700'

Hole in casing @ 2446, squeezed off before setting plug
2700' 250 sx cmt.

4½" @ 4526 KB 200' cmt in 4½ 200' cmt in 7 5/8
70 sx cmt.

7 5/8 @ 5155

Cmt. top @ 5750

30 sx cmt on top @ CIBP
CIBP @ 6400

Perf. 6468-6508 & 6774-6794
Top of fish @ 6803
2 5/8 tubing fish = 90' +/-

Bottom of fish 2 7049

Retainer @ 7360
Top of fish @ 7385
Hole in casing @ 7385

End of tbg @ 8880
Packer @ 8970

Perfs from 9048-9421

T.D. 9507'